SCANNED

Framingham 3-1917
133-135 Ieland St.

P. Donahue
M. Moriarty

SCANNED

Performance Status Report # 1 for the Modified Stabilization Plan

General Chemical Corporation
133 – 135 Leland Street
Framingham, Massachusetts

SL-n/a-C

[redacted] - 19174
EPA ID No. MAD019371079

APRIL 9, 2007

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NORTHEAST REGIONAL OFFICE

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

WEB ENGINEERING ASSOCIATES, INC.

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

VIA REGULAR U.S. MAIL

April 9, 2007

SCANNED

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

RE: Notification of Availability of
Performance Status Report No. 1 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 Performance Status Report No. 1 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

COMMONWEALTH OF MASSACHUSETTS
WILLIAM E. BAIRD
No. 25418
REGISTERED PROFESSIONAL ENGINEER

4/5/07

WEB/JAA/jaa

Enclosure: Performance Status Report No. 1

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DEP/BOSTON

mw:aisner/GCC/pmr1pi/04e005/04.09.07

WEB ENGINEERING ASSOCIATES, INC.

104 LONGWATER DRIVE
NORWELL, MASSACHUSETTS 02061
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1-800-273-7289

VIA REGULAR U.S. MAIL

April 9, 2007

Mr. Roy Swartz
General Chemical Corporation
138 Leland Street
Framingham, Massachusetts 01702

RE: Notification of Availability of
Performance Status Report No. 1 for the Modified Stabilization Plan
General Chemical Corporation
133-135 Leland Street; Framingham, MA
MADEP RTN 3-19174; EPA ID No. MAD019371079
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WILLIAM E. BAIRD
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4/5/07

WEB/JAA/jaa

Enclosure: Performance Status Report No. 1

cc-Report:
Mr, Jeffrey Chormann, MassDEP
Mr. Robert T. Cooper, Town of Framingham
Ms. Patricia Donahue, MassDEP
Mr. Nihar Mohanty, MassDEP
Mr. Leon Lataille, MWRA
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

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Julian M. Suso, Town of Framingham
Mr. Gustav E. Pearson
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Mr. Frank Battaglia, EPA Region 1
Ms. Sharon Leitch, EPA Region 1
Mr. Chris Martes, School Dept.
Ms. Kerry-Lyn Woodsum

mw:aisner/GCC/pmr1pi/04e005/04.09.07

PERFORMANCE STATUS REPORT No. 1
for the
MODIFIED STABILIZATION PLAN

GENERAL CHEMICAL CORPORATION
133 – 135 LELAND STREET
FRAMINGHAM, MASSACHUSETTS

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

April 9, 2007

PERFORMANCE STATUS REPORT No. 1
FOR THE MODIFIED STABILIZATION PLAN

GENERAL CHEMICAL CORP
133-135 LELAND STREET
FRAMINGHAM, MA

MADEP RTN 3 – 19174
EPA ID No. MAD019371079

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PERFORMANCE STATUS REPORT No. 1

GENERAL CHEMICAL CORPORATION
133 – 135 LELAND STREET
FRAMINGHAM, MASSACHUSETTS

RTN 3 – 19174
EPA ID No. MAD019371079

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 Performance Status Report (No. 1). The objective of this document is to present relevant information with respect to the response actions 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"). This report describes the construction, start-up, operation, maintenance and monitoring of the groundwater recovery and treatment systems that have been installed at the Site. This report also includes a description of the groundwater and surface water monitoring program implemented in conjunction with the groundwater recovery and treatment system.

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 historical and recent field and laboratory information and data obtained during response actions performed at the Site between June 30, 2004 and December 31, 2006. The following is a summary of the tasks completed during the response actions performed by Web Engineering:

- Assimilating and reviewing site history and historical field and analytical test data from activities performed by previous consultants;

- Obtaining and assimilating information regarding Site characteristics including (but not limited to) physical location and description of the Site, area population and land use patterns, Site hydrogeology and local and regional environmental and ecological receptors, and environmental release history;

- Redevelopment, sampling and analytical testing of existing groundwater monitor wells;

- Installation, survey, development, gauging and sampling of ten additional groundwater monitoring wells;

- Installation, survey, development, gauging and sampling of eight groundwater recovery wells;

- Installation, survey and development of six groundwater injection wells;

- Construction, inspection, start-up, operation, maintenance and monitoring of two groundwater recovery and biological, granular activated carbon (GAC) treatment systems;

- Application of remedial additives including microbes, nutrients and biocatalyst activator, to the biological/GAC treatment systems;

- 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;

- Sampling and analytical testing of groundwater and surface water to evaluate the reduction of constituents of concern within the surface and subsurface waters of the Site;

- Summary of findings and conclusions and presentation in this groundwater Performance 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 groundwater stabilization and recovery and treatment system was designed to capture (stabilize) and reduce the concentrations of constituents of concern within the entire subsurface volatile organic compound (VOC) plume in a more timely and cost-effective manner than by more traditional or conventional methods, such as air stripping. It is contended that implementation of the groundwater stabilization and recovery and treatment system: (1) accelerates the reduction of constituents of concern in the shallow and deeper overburden groundwater aquifers via the creation of a treatment system that not only reduces constituent concentrations within the primary (*ex situ*) treatment units (i.e. the bioreactors) but also reduces constituent concentrations *in situ* through inoculation of the subsurface with VOC-degrading microbes (thus creating groundwater treatment throughout the entire system); (2) continues to mitigate and prevent significant release migration to offsite properties (e.g. drainage ditch, Course Brook, wetlands, etc.); and (3) enhances the degradation of constituents of concern within the offsite areas of concern including the drainage ditch and Course Brook.

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 Performance Status Report, including system inspection, operation and/or maintenance, will be performed by and/or under the supervision of Web Engineering and/or General Chemical personnel as appropriate. Web Engineering personnel may be contacted as indicated in Section 1.5.2. 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, as prepared by Web Engineering and received by the MassDEP. 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 Performance Status 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.

Dig Safe was notified and a Dig Safe Permit was obtained prior to installation of soil borings, groundwater wells and construction of the stabilization/treatment system. The groundwater treatment system discharges to the subsurface at locations that are hydrologically up-gradient of the groundwater recovery/treatment system influent, accordingly a discharge permit is not required. 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. 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.

2.0 GENERAL SITE INFORMATION

2.1 SITE LOCATION AND DESCRIPTIION

The Site consists of approximately 12 acres of land situated within a mixed residential and industrial area of Framingham, Massachusetts. It is located 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 affiliated with the MWRA (Sudbury Aqueduct), CSX Transportation, Exelon, residential properties located on Leland Street adjacent to and near the General Chemical Corporation facility, a vegetated wetlands area located to the south of the General Chemical Corporation facility and an unnamed drainage ditch and Course Brook, also located to the south of the General Chemical Corporation facility.

The General Chemical Corporation portion of the Site is located to the south of Leland Street at Map 1040, Block 214, Lots 3A and 4 of the Town of Framingham Assessor's Maps. 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.

As depicted in Figure 2 – the Site Plan, several properties comprising the "Site" are located to the south of the General Chemical Corporation facility. The CSX Transportation property is located immediately to the south of the General Chemical Corporation facility and beyond, and the MWRA-owned Sudbury Aqueduct crosses the CSX property approximately 100 feet to the south of the General Chemical Corporation facility. The Sudbury Aqueduct is considered a potential water supply conduit to the City of Boston and is not currently in use.

A substantial portion of the Site is comprised of wetlands, with boundaries located at approximately 200 feet and 350 feet to the south of the General Chemical Corporation facility. A man-made, unnamed surface water drainage ditch is located to the southwest of the facility. This drainage ditch flows to the south where it is intercepted by Course Brook. Other properties of interest addressed in this Performance Status Report include the General Chemical Corporation 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.

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. The coastal lowlands subregion is characterized by level or nearly levels plains and small, gently rolling, irregular hills and rounded knobs of low relief, generally not exceeding 120 meters above sea level. Topographic configurations and characteristic soil types are a result of glacial activity. The topographic configuration of the Site (and vicinity) is depicted in Figure 1. The Site is situated in a region of relatively level topography with gently rolling hills of relatively low relief to the north and southeast. 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 boring logs prepared by GZA GeoEnvironmental, Inc. in 2001 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 GZA GeoEnvironmental, Inc. in several groundwater monitoring 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 10.00 feet below grade surface (at monitor well GZ-6 located to the northeast of the facility, near the school property). The average depth to groundwater at the Site is generally between three to five 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" according to the prior work performed by GZA GeoEnvironmental, Inc.

GZA GeoEnvironmental, Inc. 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 based on prior information provided by GZA GeoEnvironmental, Inc., however GZA GeoEnvironmental, Inc. has inferred that a southwest to northeast-trending groundwater divide, exists to the north of and roughly paralleling Leland Street.

The groundwater gradient north of the groundwater divide is inferred to be to the north-northwest. The groundwater gradient (flow direction) in the lower silty groundwater zone is roughly north to south based on prior information provided

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.

The monitoring wells were also gauged to determine the presence and measure the thickness of separate or free phase light and/or dense non-aqueous phase liquid (LNAPL or DNAPL). LNAPL and/or DNAPL were not present in any of the monitor wells gauged by GZA GeoEnvironmental, Inc. or by Web Engineering during the time period covered by this report. Prior GZA GeoEnvironmental, Inc. data also indicated that the bedrock aquifer has not been impacted by constituents of concern.

2.2.3 Natural Resources and Environmental Receptors

Based on site reconnaissance and a review of U.S. Geological Survey (USGS) 7.5 Minute topographic and geologic maps, surface water features abound in the vicinity of the Site. 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 General Chemical Corporation 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 General Chemical Corporation 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 General Chemical Corporation 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 General Chemical Corporation facility. Course Brook is a tributary of Fisk Pond, located approximately 1.5 miles to the northeast of the General Chemical Corporation 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 VOCs, principally: Tetrachloroethylene (PCE), 1,1,1-Trichloroethylene (or TCE), 1,1,1-Trichloroethane (or TCA). The primary degradation constituents of concern (of the aforementioned primary constituents) include: 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 are present in the groundwater as dissolved products (and LNAPL and/or DNAPL) that 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.

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".

3.4 Significant Changes in Site Conditions

GZA completed a groundwater assessment to determine whether significant changes in site conditions have occurred at the Site since completion of the Supplemental Assessment Plan in December of 2001. The GZA "Assessment and Monitoring Report", dated November 5, 2003, presented a discussion of the hydrology and environmental chemistry of the groundwater, based on recent data obtained from fourteen groundwater wells and four surface water sampling locations along the drainage ditch. In summary, the GZA data obtained during this monitoring period indicated that the general hydrogeologic characteristics and environmental chemistry of the groundwater at the Site has not changed significantly since the GZA monitoring program commenced in 2000. Generally speaking, groundwater levels are low in the summer and fall, rise somewhat during the winter, and are highest during the spring. Concentrations of the constituents of concern have decreased over the years, as expected since the chlorinated compounds will attenuate under un-enhanced conditions. GZA concluded that there was not any correlation between seasonal groundwater fluctuations and the concentrations of the constituents of concern.

Web Engineering has not observed any significant changes in the hydrogeological or environmental conditions at the Site since implementing response actions in 2004. Conditions at the Site are not anticipated to undergo any significant changes during implementation and completion of the Modified Stabilization Plan activities.

4.0 RESPONSE ACTION PERFORMANCE AND MONITORING

4.1 Treatment System Construction and Operation

4.1.1 Onsite Warehouse and Yard

This area is located to the north and northeast of the MWRA aqueduct (and Right-of-Way), generally within the General Chemical Corporation facility boundaries and slightly beyond, as depicted in Figure 2. Groundwater in this area has been impacted by chlorinated and non-chlorinated VOCs, from historical releases occurring at the Site. A closed-loop groundwater stabilization and recovery and biological treatment system, consisting of groundwater recovery wells, an *ex situ/in situ* bioremediation system and a series of groundwater recharge trenches and injection wells was installed as the preferred response action alternative for the impacted upper and lower groundwater zones in this area. The design of the groundwater recovery/treatment system is based on the down gradient recovery of impacted groundwater through a series of shallow and deep aquifer recovery wells, treatment of the groundwater in a series of aerobic/anaerobic treatment tanks, Granular Activated Carbon (GAC) vessels, that also act as bioreactors, and re-injection to the subsurface through a series of injection trenches, thereby creating the closed-loop system. A series of groundwater injection wells serve to augment the *in situ* bioremediation process through direct inoculation of remedial additives (microbes, nutrients and biocatalyst activator). The configuration of the groundwater recovery and treatment system within the onsite warehouse and yard area is depicted in Figure 3 – Groundwater Remediation System – Warehouse and Yard Area. The As-Built construction of the Treatment System is depicted in Figure 5 – As-Built Conditions-Warehouse and Yard-Groundwater Recovery and Treatment System # 1.

Treatment system construction began in January 2005 and was completed in September 2005. The Onsite groundwater treatment system is located within the General Chemical Corporation warehouse. The Onsite groundwater treatment system is constructed of three Bioreactors placed in tandem, and designated as Bioreactor 1 (Bio-1), 2 (Bio-2) and Bioreactor 3 (Bio-3). Bioreactor 1 is a vertical,

1,000 gallon polyethylene tank. This tank is utilized as the first biotreatment. vessel and may also be utilized as a still or separation tank, designed to capture any light or dense non-aqueous phase liquid (LNAPL or DNAPL) while concurrently commencing the biodegradation process. This tank receives recovered groundwater from groundwater recovery wells RW-1, RW-2, RW-3 and RW-4. Flow recovery from each well to Bioreactor 1 is measured with individual flow meters and recorded during routine monitoring activities. A biocatalyst generator (CoGen) is connected to Bioreactor 1. The CoGen consists of two plastic 55 gallon drums that generate a non-toxic/non-pathogenic liquid catalyst and essential enzymes and nutrients essential for optimum biological activity within each bioreactor. Remedial additives, consisting of a proprietary blend of exogenous, naturally occurring, non-pathogenic VOC-degrading microbes of the *Archaea* domain, nutrients and the liquid biocatalyst are added routinely to Bioreactor 1. The second tank, designated as Bioreactor 2 is also a vertical, 1,000 gallon polyethylene tank. Bioreactor 2 is an aerobic/anaerobic bioreactor designed to increase retention time and thus more efficient biodegradation of constituents of concern within the recovered groundwater. Bioreactor 3 is a vertical, 800 gallon capacity stainless steel tank designed to facilitate further degradation of constituents of concern. Each Bioreactor is fitted with a sampling port to facilitate obtaining a sample of Bioreactor influent and effluent fluids.

A constant supply of diffused air may be pumped into the bottom of each Bioreactor to provide oxygen to the aerobic microbes.

The treated groundwater is pumped through a particulate filtration system that reduces or eliminates the presence of oxidized metals, such as iron and manganese, and other inorganic particulate material from the treatment system. This filtration system is constructed of a series of four 10 micron bag filters and placed between Bioreactor 2 and Bioreactor 3.

Two, in-sequence, 55 gallon capacity Granular Activated Carbon (GAC) vessels were installed to receive effluent from Bioreactor 3 and the bag filters. The GAC vessels represent the final stage of groundwater treatment before discharge to the subsurface. The GAC vessels, designated as CV-1 and CV-2, provide sites for microbial treatment of the impacted groundwater before being discharged to the subsurface. The carbon vessel system is fitted with a by-pass in the event carbon treatment becomes plugged, in which case the effluent is directly discharged to the subsurface. Molecules are sorbed to GAC, the microbes degrade and desorb the molecules. This process is repeated many times.

This treatment system is also fitted with two 55 gallon capacity vapor-phase carbon vessels, capable of ventilating low concentrations of volatile compounds to the atmosphere. This venting system is fitted with a sampling port enabling the observer to qualitatively measure the output of volatile organic compounds with a photoionization detector, flame ionization detector or similar monitor.

The treated groundwater is discharged to the subsurface through an array of four injection wells and two injection galley trenches. Effluent flow from each injection well and galley is measured with individual flow meters and recorded during routine monitoring activities. The injection wells (designated as IW-1, IW-2, IW-3 and IW-4) and the galley trenches (designated as Galley Trench 1 and Galley Trench 2) were installed during the installation of the groundwater treatment system. These injection systems were installed up gradient of the groundwater recovery wells and areas of critical groundwater impact. A description of the installation of the recovery and injection wells is presented in Section 4.2. Galley Trench 1, installed to the northwest of the warehouse, between the warehouse and the garage, is an array of three separate injection trenches, each approximately 15 feet in length, 5 feet in width and set at a depth of approximately 4-6 feet below grade surface. Four 4' X 4' concrete galleys (1-4, 5-8 and 9-12) were installed within each trench. Galley Trench 2, installed to the east of the warehouse, is a single trench, approximately 40 feet in length, five feet in width and set at a depth of approximately 4-6 feet below grade surface. Ten 4' X 4' concrete galleys (13-22) were installed within this trench. The trenches surrounding the concrete galleys were backfilled with 1 1/2 inch washed stone to allow for even distribution of treated groundwater that is discharged to the subsurface. The galleys are covered with a geotextile fabric barrier to prevent infiltration of fine particulate materials from the surface. Figure 7 depicts the details of the galleys and trenches installed within the onsite treatment system.

4.1.2 Offsite Garage/Abandoned Field Road Area

This area is located to the south and southwest of the MWRA aqueduct (and Right-of-Way), outside of the General Chemical Corporation facility boundaries, as depicted in Figure 2. Groundwater in this area has also been impacted by chlorinated and non-chlorinated VOCs, from historical releases occurring at the Site. A second closed-loop groundwater stabilization and recovery and biological treatment system, consisting of groundwater recovery wells, an *ex situ/in situ* bioremediation system and a series of groundwater recharge trenches and injection wells was installed as the preferred response action alternative for the impacted upper and lower groundwater zones in this area.

The design of the groundwater recovery/treatment system is also based on the down gradient recovery of impacted groundwater through a series of shallow and deep aquifer recovery wells, treatment of the groundwater in a series of aerobic/anaerobic treatment tanks, filters and Granular Activated Carbon (GAC) vessels and re-injection to the subsurface through a series of injection trenches, thereby creating the closed-loop system. A series of groundwater injection wells serve to augment the *in situ* bioremediation process through direct inoculation of remedial additives (microbes, nutrients and biocatalyst activator). The configuration of the groundwater recovery and treatment system within the offsite garage and abandoned field road area is depicted in Figure 4 – Groundwater Remediation System – Garage and Abandoned Field Road Area. The As-Built construction of the Treatment System is depicted in Figure 6 – As- Built Conditions-Garage and Lot-Groundwater Recovery and Treatment System # 2.

Treatment system construction began in April 2006 and was completed in October 2006. The Offsite groundwater treatment system is located within a small building located on the acquired General Chemical Corporation property to the west of the unnamed drainage ditch. The offsite groundwater treatment system is constructed of three Bioreactors placed in tandem, and designated as Bioreactor 1 (Bio-1), 2 (Bio-2) and Bioreactor 3 (Bio-3). Bioreactor 1 is a vertical, 1,000 gallon polyethylene tank. This tank is utilized as the first biotreatment vessel and may also be utilized as a still or separation tank, designed to capture any light or dense non-aqueous phase liquid (LNAPL or DNAPL) while concurrently commencing the biodegradation process. This tank receives recovered groundwater from groundwater recovery wells RW-5S, RW-5D, RW-6 and RW-7. RW-5S and RW-6 are not operating. RW-6 is screened within a very fine silt aquitard. Flow recovery from each well to Bioreactor 1 is measured with individual flow meters and recorded during routine monitoring activities. A biocatalyst generator (CoGen unit) is connected to Bioreactor 1. The CoGen unit consists of two plastic 55 gallon drums that generates a non-toxic/non-pathogenic liquid catalyst and essential enzymes and nutrients essential for optimum biological activity within each bioreactor. Remedial additives, consisting of a proprietary blend of exogenous, naturally occurring, non-pathogenic VOC-degrading microbes of the *Archaea* domain, nutrients and the liquid biocatalyst are added routinely to Bioreactor 1. The second tank, designated as Bioreactor 2 is also a vertical, 1,000 gallon polyethylene tank. Bioreactor 2 is an aerobic/anaerobic bioreactor designed to increase retention time and thus more efficient biodegradation of constituents of concern within the recovered groundwater.

Bioreactor 3 is a vertical, 1,000 gallon capacity polyethylene tank designed to facilitate further anaerobic degradation of constituents of concern. Each Bioreactor is fitted with a sampling port to facilitate obtaining a sample of Bioreactor influent and effluent fluids.

A constant supply of diffused air may be pumped into the bottom of each Bioreactor to provide oxygen to the aerobic microbes.

The treated groundwater is pumped through a particulate filtration system that is capable of reducing or eliminating the presence of oxidized metals, such as iron and manganese, and other inorganic particulate material from the treatment system. This filtration system is constructed of a series of four 25 micron bag filters and placed between Bioreactor 2 and Bioreactor 3.

Two, in-sequence, 55 gallon capacity Granular Activated Carbon (GAC) vessels were installed to receive effluent from Bioreactor 3 and the bag filters. The GAC vessels represent the final stage of groundwater treatment before discharge to the subsurface. The GAC vessels, designated as CV-1 and CV-2, provide sites for microbial treatment of the impacted groundwater before being discharged to the subsurface. Molecules are sorbed to GAC, the microbes degrade and desorb the molecules. This process is repeated many times. The carbon vessel system is fitted with a by-pass in the event carbon treatment becomes plugged, in which case the effluent is directly discharged to the subsurface The GAC vessels provide a final treatment. of the impacted groundwater before being discharged to the subsurface.

This treatment system is also fitted with two 55 gallon capacity vapor-phase carbon vessels, capable of ventilating low concentrations of volatile compounds to the atmosphere. This venting system is fitted with a sampling port enabling the observer to qualitatively measure the output of volatile organic compounds with a photoionization detector, flame ionization detector or similar monitor.

The treated groundwater is discharged to the subsurface through an array of two injection wells and one injection galley trench. The injection wells (designated as IW-5 and IW-6) and the galley trench (designated as the Recharge Trench) were installed during the installation of the groundwater treatment system. The injection wells are located at each end of the Recharge Trench. Effluent flow from each injection well and galley is measured with individual flow meters and recorded during routine monitoring activities. These injection systems were installed up gradient of the groundwater recovery wells and areas of critical

groundwater impact. A description of the installation of the recovery and injection wells is presented in Section 4.2. The Recharge Trench, installed to the northwest of the biotreatment building, is a long trench, approximately 105 feet in length, 10 feet in width and set at a depth of approximately 4-6 feet below grade surface. Approximately 6 inches of ¾ inch washed stone was placed at the bottom of the trench. A 4" diameter perforated PVC pipe was placed on the stone. The pipe was covered with ¾ inch washed stone to one foot below grade surface. The washed stone allows for even distribution of treated groundwater that is discharged to the subsurface. The stone in the Recharge Trench is covered with a geotextile fabric barrier to prevent infiltration of fine particulate materials from the surface. Figure 7 depicts the details of the Recharge Trench installed within the Offsite treatment system.

4.2 Well Installation

4.2.1 Groundwater Monitor Wells

Web Engineering installed ten groundwater monitor wells at the Site between August and December 2005. The wells were installed by Technical Drilling Services, Inc. (TDS) of Sterling, Massachusetts. These wells were installed in strategic locations throughout the Site for the purpose of more adequately delineating the shallow and deep contaminant plumes, monitoring the groundwater for constituents of concern and remedial additives, and to accurately define the hydrologic conditions at the Site. The information obtained from these wells will supplement subsurface hydrogeologic information acquired from existing wells installed by previous consultants. The existing wells have been and will continue to be utilized throughout response actions conducted at the Site.

The groundwater monitor wells were completed between depths of 5 to 55 feet below grade surface (bgs), encompassing both shallow and deep aquifers. The wells were completed as 2" diameter wells constructed of Schedule 40 Polyvinyl Chloride (PVC) pipe consisting of continuous 0.010 inch slotted screen and threaded solid riser. A clean environmental sand pack was placed in each well annulus between the well and the borehole to a depth of approximately one foot above the slotted PVC screen. Bentonite pellets were placed above the environmental sand pack and hydrated to form a shallow subsurface seal. Each well annulus was then filled to the surface with environmental sand or clean cuttings prior to well completion.

Each well was fitted with a locking expansion plug and protective roadbox, cemented in place. Well completion data is further described in Table 1. Each groundwater monitor well was developed by Web Engineering in order to remove fine particulates that may have become entrapped in the well or well screen. Well development was performed using surge block and overpumping methods and all development water was stored on site in 55 gallon drums for processing through the groundwater treatment system. Following well development, groundwater monitor wells were surveyed for well elevation and gauged for groundwater table levels and for the presence of LNAPL and/or DNAPL.

Eight additional groundwater monitoring wells were installed within Area 1, the Warehouse and Yard area. The wells were designated as WMW-1S, WMW-2S, WMW-2D, WMW-3, WMW-4, WMW-5, WMW-6 and WMW-7. The locations of these wells are depicted in Figure 2 and Figure 3. WMW-1S, located near Leland Street to the west of the GCC office, was completed at a depth of 40 feet bgs, with slotted screen set between 5 – 40 feet bgs to monitor both the upper and lower sand/silt aquifers. WMW-2S, located near Leland Street and near the east corner of the GCC office, was completed at a depth of 15 feet bgs, with slotted screen set between 5 –15 feet bgs to monitor the upper sand/silt aquifer. WMW-2D, located near Leland Street and near the east corner of the GCC office, was completed at a depth of 45 feet bgs, with slotted screen set between 15 – 45 feet bgs to monitor both the upper and lower sand/silt aquifers. WMW-3, located near Leland Street and to the east of the garage, was completed at a depth of 20 feet bgs, with slotted screen set between 10-20 feet bgs to monitor the upper sand/silt aquifer. WMW-4, located to the north-northeast of the warehouse, was completed at a depth of 15 feet bgs, with slotted screen set between 5 –15 feet bgs to monitor the upper sand/silt aquifer. WMW-5, located to the southeast of the warehouse, was completed at a depth of 15 feet bgs, with slotted screen set between 5 –15 feet bgs to monitor the upper sand/silt aquifer. WMW-6, located to the south of the GCC warehouse and tank farm, was completed at a depth of 40 feet bgs, with slotted screen set between 10 – 40 feet bgs to monitor both the upper and lower sand/silt aquifers. WMW-7, located near Leland Street and near the northwest corner of the GCC office, was completed at a depth of 15 feet bgs, with slotted screen set between 5 –15 feet bgs to monitor the upper sand/silt aquifer. These wells were specifically installed for the purpose of: (1) confirming the presence and extent of and determining the hydrologic characteristics of the groundwater divide identified by GZA GeoEnvironmental, Inc.; (2) determining and monitoring the effects of the groundwater recovery and recharge on the groundwater divide in both the upper and lower aquifers; (3) ensuring the maintenance of hydraulic control during

groundwater recovery and treatment through a program of routine groundwater gauging and analytical testing for constituents of concern and remedial additives; and (4) monitoring for the migration of constituents of concern toward the GCC office and the adjacent car wash.

Two additional groundwater monitoring wells were installed within Area 2, the Garage and Abandoned Field Road area. The wells were designated as WMW-8S and WMW-8D. The locations of these wells are depicted in Figure 2 and Figure 4. WMW-8S and WMW-8D are located along the Abandoned Field Road, between the former Boston Edison Access Road and the surface water drainage ditch, as depicted in Figure 2. WMW-8S was completed at a depth of 15 feet bgs, with slotted screen set between 5 – 15 feet bgs to monitor the upper sand/silt aquifer. WMW-8D was completed at a depth of 55 feet bgs, with slotted screen set between 45 – 55 feet bgs to monitor both the upper and lower sand/silt aquifers. These wells were specifically installed for the purpose of: (1) ensuring the maintenance of hydraulic control during groundwater recovery and treatment through a program of routine groundwater gauging and analytical testing for constituents of concern and remedial additives; and (2) monitoring for the migration of constituents of concern toward the wetlands and to the south toward Course Brook.

4.2.2 Groundwater Recovery Wells

Web Engineering installed eight groundwater recovery wells at the Site between August 2005 and June 2006. The wells were also installed by Technical Drilling Services, Inc. (TDS) of Sterling, Massachusetts. The selected groundwater recovery well locations varied depending upon access to the designated well installation areas. Selection of the precise location of the recovery wells was made in the field by Web Engineering in corroboration with General Chemical Corporation, and in consideration of proximity to existing Site features such as structures and utilities and health and safety of field and operational personnel. The wells were installed in areas that facilitate adequate groundwater capture, and mitigate and/or prevent migration of constituents of concern to both onsite and offsite sensitive environmental receptors such as the drainage ditch, the wetlands, the MWRA aqueduct and Course Brook.

The groundwater recovery wells were completed between depths of 5 to 40 feet bgs, contiguously encompassing both shallow and deep aquifers. All wells, with the exception of RW-3, were completed as 6" diameter wells constructed of Schedule 40 Polyvinyl Chloride (PVC) pipe with continuous 0.010 inch slotted screen and

threaded solid riser. Recovery well RW-3 was completed with stainless steel pipe. A clean environmental sand pack was placed in each well annulus between the well and the borehole to a depth of approximately one foot above the slotted PVC screen. Bentonite pellets were placed above the environmental sand pack and hydrated to form a shallow subsurface seal. Each well annulus was then filled to surface with environmental sand or clean cuttings prior to well completion. Each well was fitted with a locking expansion plug and protective roadbox/utility box, cemented in place. Well completion data is further described in Table 1. Each groundwater recovery well was developed by Web Engineering in order to remove fine particulates that may have become entrapped in the well or well screen. Well development was performed using surge block and overpumping methods and all development water was stored on site in 55 gallon drums for processing through the groundwater treatment system. Following well development, groundwater monitor wells were surveyed for well elevation and gauged for groundwater table levels and for the presence of LNAPL and/or DNAPL. Recovery well RW-5S was damaged during installation and was not able to be adequately developed due to significant siltation. RW-5S (and RW-6) may be replaced in the future if deemed necessary. Depths of the recovery wells varied dependent upon field observations, but were generally installed to depths encompassing both the shallow and deeper overburden zones of groundwater impact. Well completion details are presented in Table 1.

A centrifugal pump was installed at the bottom of each recovery well. Electrical and groundwater recovery components were installed within a nearby utility trench from the wellhead to the respective treatment area. A utility distribution manhole, complete with metal cover, was installed around the top of each recovery well for access during operation, maintenance and monitoring of the system. Typical recovery well details are depicted in Figure 7.

Four groundwater recovery wells (RW-1, RW-2, RW-3 and RW-4) were installed within Area 1, the Garage and Warehouse area. Four groundwater recovery wells (RW-5S, RW-5D, RW-6 and RW-7) were installed within Area 2, the Garage and Abandoned Field Road area. The location of these recovery wells are depicted in Figures 2, 3 and 4. The primary function of recovery wells RW-1 through RW-5 and RW-7 is to intercept and recover the majority of the groundwater with elevated concentrations of constituents of concern. Influent discharge lines were sufficiently insulated against the cold weather to deter freezing during the cold, winter months.

Recovery well RW-1 was installed near the southeast corner of the GCC property, and was completed at a total depth of 40 feet bgs, with slotted screen set between 5 – 40 feet bgs to recover impacted groundwater from both the upper and lower sand/silt aquifers. Recovery well RW-2 was installed within the CSX property to the south of the GCC property and south of the tank farm, and was completed at a total depth of 40 feet bgs, with slotted screen set between 5 – 40 feet bgs to recover impacted groundwater from both the upper and lower sand/silt aquifers. Recovery well RW-3 was installed within the CSX property to the south of the GCC warehouse, and was completed at a total depth of 40 feet bgs, with slotted screen set between 5 – 40 feet bgs to recover impacted groundwater from both the upper and lower sand/silt aquifers. Recovery well RW-4 was installed within the CSX property and to the south of the GCC warehouse, and was completed at a total depth of 40 feet bgs, with slotted screen set between 5 – 40 feet bgs to recover impacted groundwater from both the upper and lower sand/silt aquifers. Recovery well RW-5S was installed to the south of the Garage and between the Exelon property line and the surface water drainage ditch, and was completed at a total depth of 30 feet bgs, with slotted screen set between 10 – 30 feet bgs to recover impacted groundwater from both the upper and lower sand/silt aquifers. As previously, mentioned, this well was damaged during installation and may have to be replaced. Recovery well RW-5D was also installed to the south of the Garage and between the Exelon property line and the surface water drainage ditch, and was completed at a total depth of 40 feet bgs, with slotted screen set between 20 – 40 feet bgs to recover impacted groundwater primarily from the lower sand/silt aquifer. Recovery well RW-6 was installed along the surface water drainage ditch, well to the south of the Garage, and was completed at a total depth of 40 feet bgs, with slotted screen set between 10 – 40 feet bgs to recover impacted groundwater from both the upper and lower sand/silt aquifers. Recovery well RW-7 was installed along the abandoned field road, to the southeast of the Garage, and was completed at a total depth of 40 feet bgs, with slotted screen set between 10 – 40 feet bgs to recover impacted groundwater from both the upper and lower sand/silt aquifers.

4.2.3 Groundwater Injection Wells

Web Engineering installed six groundwater injection wells at the Site between August and December 2005. The wells were also installed by Technical Drilling Services, Inc. (TDS) of Sterling, Massachusetts. The selected groundwater injection well locations also varied depending upon access to the designated well installation areas. Selection of the precise location of the injection wells was made in the field by Web Engineering in corroboration with General Chemical Corporation, and in consideration of proximity to existing Site features such as

structures and utilities and health and safety of field and operational personnel.

The injection wells were installed to facilitate discharge of treated groundwater in the event discharge through the recharge trenches is temporarily infeasible due to high groundwater. The injection wells were designed to provide the impacted areas of the subsurface with highly treated groundwater containing microbes and nutrients to further augment the biological degradation of the constituents of concern. Additionally, the injection wells serve as remedial additive inoculation points to further augment biodegradation of constituents of concern within the subsurface. The injection wells were installed in proximity to the recharge trenches.

Installation of the injection wells followed similar protocols for groundwater monitor well installation. Depths of the injection wells were between 5 – 35 feet bgs, encompassing both shallow and deep aquifers. The wells were completed as 2" diameter wells constructed of Schedule 40 Polyvinyl Chloride (PVC) pipe consisting of continuous 0.010 inch slotted screen and threaded solid riser. A clean environmental sand pack was placed in each well annulus between the well and the borehole to a depth of approximately one foot above the slotted PVC screen. Bentonite pellets were placed above the environmental sand pack and hydrated to form a shallow subsurface seal. Each well annulus was then filled to surface with environmental sand or clean cuttings prior to well completion. Each well was fitted with a locking expansion plug and protective roadbox, cemented in place. Well completion data is further described in Table 1. Each groundwater monitor well was developed by Web Engineering in order to remove fine particulates that may have become entrapped in the well or well screen. Well development was performed using surge block and overpumping methods and all development water was stored on site in 55 gallon drums for processing through the groundwater treatment system. Following well development, groundwater monitor wells were surveyed for well elevation and gauged for groundwater table levels and for the presence of LNAPL and/or DNAPL. Well completion details are presented in Table 1.

As mentioned, the injection wells (IW-1, IW-2, IW-3, IW-4, IW-5 and IW-6) were installed within or adjacent to the groundwater recharge trenches. A hydraulic connection between these injection wells and the groundwater recharge trenches enables the groundwater recharge system to accommodate the concurrent infiltration of treated groundwater to the subsurface through both the recharge trenches and the injection wells. The injection wells were also installed upgradient of the recovery wells in order to: (1) flush impacted groundwater

toward the recovery wells; and (2) re-distribute microbes and nutrients to more significantly impacted areas of the subsurface. These injection wells were contiguously screened within both the upper and/or lower zones of subsurface impact and were fitted with interchangeable seals designed to accommodate active groundwater recharge through low-pressure injection or passive groundwater recharge through gravity flow.

Injection well IW-1 was installed within Area 1 - the Warehouse and Yard area, to the west of Galley Trench No. 1 and near the northwest corner of the General Chemical Corporation warehouse, and was completed at a total depth of 40 feet bgs, with slotted screen set between 5 – 35 feet bgs to treat impacted groundwater within both the upper and lower sand/silt aquifers. Injection well IW-2 was installed within Area 1 - the Warehouse and Yard area, to the south of the General Chemical Corporation warehouse, and was completed at a total depth of 20 feet bgs, with slotted screen set between 10 – 20 feet bgs to treat impacted groundwater within both the upper and portions of the lower sand/silt aquifers. Injection well IW-3 was installed within Area 1 - the Warehouse and Yard area, to the south of the General Chemical Corporation tank farm, and was completed at a total depth of 40 feet bgs, with slotted screen set between 5 – 35 feet bgs to treat impacted groundwater within both the upper and lower sand/silt aquifers. Injection well IW-4 was installed within Area 1 - the Warehouse and Yard area, to the southeast of the General Chemical Corporation tank farm, and was completed at a total depth of 20 feet bgs, with slotted screen set between 10 – 20 feet bgs to treat impacted groundwater within both the upper and portions of the lower sand/silt aquifers. Injection well IW-5 was installed within Area 2 - the Garage and Abandoned Field Road area, to the north of the Recharge Trench and the garage, and was completed at a total depth of 40 feet bgs, with slotted screen set between 10 – 40 feet bgs to treat impacted groundwater within both the upper and lower sand/silt aquifers. Injection well IW-6 was installed within Area 2 - the Garage and Abandoned Field Road area, to the south of the Recharge Trench and the garage, and was completed at a total depth of 40 feet bgs, with slotted screen set between 10 – 30 feet bgs to treat impacted groundwater within both the upper and portions of the lower sand/silt aquifers. The locations of the Injection Wells are depicted in Figures 2, 3, and 4.

4.3 System Start-Up and Testing

4.3.1 Onsite Warehouse/Yard Area

The onsite treatment system is designed to recover and treat impacted groundwater using enhanced bioremediation. The targeted source of this bio-treatment system is the volatile organic compound plume located subjacent to and near the General Chemical Corporation warehouse and yard area. This bio-treatment was started and tested on October 27, 2005 and has operated on a continual basis with occasional stoppages for minor modifications and routine maintenance that were anticipated and described in previous system plans. This system, which included groundwater recovery from recovery wells RW-1, RW-2 and RW-4, initially ran for a period of approximately two weeks in order to test the efficacy of the system and establish equilibrium within the system itself. After equilibrium was established, diffused air was supplied to Bioreactor # 1 and Bioreactor # 2. The result was a 10.99% reduction in the concentration of constituents of concern due to air stripping. However, the application of diffused air to the treatment system resulted in the enhanced production of iron oxide. The enhanced iron oxide production was found to clog the system filters and piping and therefore the application of diffused air was ceased.

Chlorinated- and non-chlorinated compound-degrading microbes were subsequently added to the system beginning in December 2005. A discussion of the remedial additives is presented in Section 5.2 of this report.

During initial start-up operations the recovery wells (RW-1, RW-2 and RW-4) have been pumping/recovering groundwater at an average rate of 3 gallons per minute (gpm). Recovery well RW-3 was initially shut in for maintenance and while groundwater injection rates were monitored and adjusted. During the initial treatment phase it was discovered that RW-3, a 6" PVC recovery well installed within a suspected DNAPL plume, had been partially dissolved by the solvents at a depth of approximately 20 feet bgs. This well was subsequently replaced in December 2005 with a stainless steel screen and on March 22, 2006 was placed on line at an average recovery rate of 3 gpm.

During initial start-up operations the iron oxide filtration system performed to specifications. The filtration system was online on November 1, 2005. The duration of the initial bag filters (before change out) was one month, due to the lower volumes of water through the treatment system and the infilling of the bioreactors.

The GAC vessels were put on line on November 1, 2005 and have remained on line since that time except for maintenance. On March 21, 2006 the treatment system was shut in and the GAC in Carbon Vessel # 1 was replaced.

Groundwater injection into Injection Galley G-1 commenced on November 1, 2005 at a rate of 14.70 gpm. During the month of November 2005 and initial start-up, groundwater injection rates into G-1 averaged 10.0 – 11.0 gpm, returning a total of approximately 87,000 gallons of treated groundwater to the subsurface. Groundwater injection into Injection Galley G-2 commenced on November 4, 2005 at a rate of 9.84 gpm. During the month of November 2005 and initial start-up, groundwater injection rates into G-2 averaged 9.0 – 10.0 gpm, returning a total of approximately 71,000 gallons of treated groundwater to the subsurface.

Groundwater injection into the four injection wells (IW-1, IW-2, IW-3 and IW-4) did not occur during initial start-up and testing of the treatment system. Groundwater injection via Injection Well IW-3 commenced on March 28, 2006, at a rate of 1.81 gpm. Initial groundwater injection rates through IW-3 were between 1.20 – 1.90 gpm.

Table 2 presents the documented data associated with the initial start-up and testing of the onsite treatment system.

4.3.2 Offsite Garage/Abandoned Field Road Area

The offsite treatment system is also designed to recover and treat impacted groundwater using enhanced bioremediation. The targeted source of this bio-treatment system is the volatile organic compound plume that has migrated offsite, beneath and beyond the adjacent CSX railroad tracks and the MWRA aqueduct. Completion of this portion of the treatment system was delayed slightly due to the hook up of power and the installation of the electrical meters by NStar Electric. This bio-treatment was started and tested on October 17, 2006 and has operated on a continual basis with occasional stoppages for minor modifications and routine maintenance that were anticipated and described in previous system plans. This system, which included groundwater recovery from recovery wells RW-5D (deep) and RW-7, ran continually while testing the efficacy of the system and establish equilibrium within the system itself. The application of diffused air to the treatment system was not performed to minimize the production of iron oxide.

Chlorinated compound-degrading microbes were subsequently added to the system beginning in December 2006. A discussion of the remedial additives is presented in Section 5.2 of this report.

During initial start-up operations the recovery wells (RW-5D and RW-7) have been pumping/recovering groundwater at an average rate of 1.0 to 2.0 gpm, respectively. Recovery well RW-5S (shallow) is believed to have been damaged during installation and will require replacement. Recovery well RW-6 has not been placed on line as yet.

During initial start-up operations of the offsite treatment system the iron oxide filtration system performed to specifications. The filtration system was online on October 17, 2006. The duration of the initial bag filters (before change out) was two months, due to the low volumes of water through the treatment system and the infilling of the bioreactors.

The GAC vessels were put on line on October 17, 2006 and have remained on line since that time. The GAC in the carbon vessels have not been replaced yet.

Groundwater injection into the Injection Trench also commenced on October 17, 2006 at a flow rate of 9.14 gpm. During the month of October 2006 and initial start-up, groundwater injection rates into G-1 averaged between 8.0 and 10.0 gpm, returning a total of approximately 69,500 gallons of treated groundwater to the subsurface by the end of October 2006.

Groundwater injection into the two offsite injection wells (IW-6 and IW-7) did not occur during initial start-up and testing of the treatment system.

Table 3 presents the documented data associated with the initial start-up and testing of the offsite treatment system.

4.4 Significant Changes to System Operations

There have not been any significant changes to the treatment system design or system operations since start commencement of the treatment systems.

5.0 PERFORMANCE MONITORING

5.1 Treatment System Inspection and Monitoring

5.1.1 Onsite Warehouse/Yard Area

The onsite recovery wells (RW-1, RW-2 and RW-4) have been pumping/recovering groundwater continuously at an average rate of between 2.5 and 3.5 gpm. Given current pumping rates (assumed to be constant for a given 24-hour period) and based on groundwater observations, the four recovery wells have overlapping cones of depression that may be effectively capturing the impacted groundwater down gradient of the property. The impacted groundwater has been pumped through the bioreactor tanks and carbon vessels, and re-injected upgradient on the General Chemical Corporation property through a series of injection galleys and injection wells. During the initial year of operation routine maintenance and repairs to the system were expected and performed accordingly.

Recovery well RW-1 has recovered an estimated total of 135,000 gallons of impacted groundwater as of December 27, 2006 (total recovery estimates are based on flow meter readings and the assumption the daily flow rates are constant for a give 24-hour period). Recovery well RW-1 operated effectively from October 27, 2005 through November 18, 2005 when it was shut in for repair and regulation of daily and cumulative flow rates in tandem with the other recovery wells. RW-1 was placed back on line in October 2006 and has operated continually since.

Recovery well RW-2 has recovered an estimated total of 1,100,000 gallons of impacted groundwater as of December 27, 2006 (total recovery estimates are based on flow meter readings and the assumption the daily flow rates are constant for a give 24-hour period). Recovery well RW-2 operated effectively from October 27, 2005 through April 25, 2006 when it was shut in for repair and regulation of daily and cumulative flow rates in tandem with the other recovery wells. RW-2 was placed back on line on June 2, 2006 and has operated continually since.

Recovery well RW-3 has recovered an estimated total of 640,000 gallons of impacted groundwater as of December 27, 2006 (total recovery estimates are based on flow meter readings and the assumption the daily flow rates are constant for a give 24-hour period). Recovery well RW-3 was first placed on line on March 22, 2006 and has operated effectively since.

Recovery well RW-4 has recovered an estimated total of 1,100,000 gallons of impacted groundwater as of November 1, 2005 (total recovery estimates are based on flow meter readings and the assumption the daily flow rates are constant for a give 24-hour period). Recovery well RW-4 operated effectively through April 25, 2006 when it was shut in for repair and regulation of daily and cumulative flow rates in tandem with the other recovery wells. RW-4 was placed back on line on June 2, 2006 and has operated continually since.

An estimated 2,200,000 gallons of treated groundwater has been re-injected into the subsurface at Injection Galley G-1. Groundwater re-injection at G-1 commenced on November 16, 2005 following two weeks of testing. Treated groundwater was re-injected into G-1 at rates between 4.0 – 10.5 gpm between November 16, 2005 and April 11, 2006. Injection Galley G-1 was shut in on April 26, 2006 to allow for groundwater recharge and to prevent groundwater mounding. Injection Galley G-1 was placed back on line on June 2, 2006 and has been functional since at flow rates between 4.0 – 10.0 gpm.

An estimated 1,700,000 gallons of treated groundwater has been re-injected into the subsurface at Injection Galley G-2. Groundwater re-injection at G-2 commenced on November 16, 2005 following two weeks of testing. Treated groundwater was re-injected into G-2 at rates between 2.5 – 10.5 gpm between November 16, 2005 and December 27, 2006.

Subsurface re-injection of treated groundwater onsite has also been facilitated through a series of four groundwater injection wells, IW-1, IW-2 and IW-3. Re-injection through the injection wells has been intentionally regulated in order to distribute additional groundwater and administer necessary remedial additives (i.e. microbes and nutrients) effectively and completely throughout the subsurface areas of concern.

Approximately 9,000 gallons of treated groundwater were re-injected into the subsurface at Injection Well IW-1, at rates between 1.0 – 1.5 gpm during the period covered in this report.

Approximately 27,100 gallons of treated groundwater were re-injected into the subsurface at Injection Well IW-2, at rates between 0.25 – 1.5 gpm during the period covered in this report.

Approximately 239,000 gallons of treated groundwater were re-injected into the subsurface at Injection Well IW-3, at rates between 0.20 – 3.5 gpm during the period covered in this report. The re-injection of large volumes of treated groundwater at IW-3 was performed for the purpose of accelerating subsurface bioremediation within the heart of the groundwater plume, beneath and adjacent to the warehouse and tank farm.

The onsite treatment system continues to be monitored on a daily basis. The treatment system is operating effectively as a closed loop recirculation treatment system. Groundwater recovery yields are excellent, the groundwater injection galleys and wells are functioning without excessive groundwater mounding and the volatile organic compound (VOC) plume is being treated. Groundwater monitoring data for the onsite treatment system is presented in Table 2.

5.2.1 Offsite Garage/Abandoned Field Road Area

The offsite recovery wells (RW-5D and RW-7) have been pumping/recovering groundwater continuously at an average rate of between 0.80 and 3.0 gpm. Given current pumping rates (assumed to be constant for a give 24-hour period) and based on groundwater observations, these two recovery wells have overlapping cones of depression that effectively capture the impacted groundwater down gradient of the property and have prevented further down gradient/offsite migration of the plume. The impacted groundwater has been (and continues to be) pumped through the bioreactor tanks and polishing carbon vessels, and re-injected upgradient of the garage and wetlands area. through a recharge trench and injection wells. During the three months of operation routine maintenance and repairs to the system were expected and performed accordingly.

Recovery well RW-5D has recovered an estimated total of 105,000 gallons of impacted groundwater as of October 17, 2006 (total recovery estimates are based on flow meter readings and the assumption the daily flow rates are constant for a give 24-hour period). Recovery well RW-5D operated effectively and uninterrupted from October 17, 2006 through December 29, 2006 with occasional adjustments to regulate the daily and cumulative flow rates in tandem with recovery well RW-7.

Recovery well RW-7 has recovered an estimated total of 213,000 gallons of impacted groundwater as of October 17, 2006 (total recovery estimates are based on flow meter readings and the assumption the daily flow rates are constant for a give 24-hour period). Recovery well RW-7 operated effectively and uninterrupted from October 17, 2006 through December 29, 2006 with occasional adjustments to regulate the daily and cumulative flow rates in tandem with recovery well RW-5D.

Recovery wells RW-5S is damaged (as previously mentioned) and will undergo replacement during the next reporting period. RW-6 was not placed on line during this reporting period.

An estimated 350,000 gallons of treated groundwater has been re-injected into the subsurface at the Recovery Trench. Groundwater re-injection at the Recovery Trench commenced on October 17, 2006. Treated groundwater was re-injected into the Trench at rates between 8.0 – 10.0 gpm between October and December 2006.

Subsurface re-injection of treated groundwater onsite may also be facilitated through a series of two groundwater injection wells, IW-6 and IW-7. Re-injection through the injection wells has not been performed during this reporting period in an effort to prevent groundwater mounding and groundwater contaminant plume migration.

The offsite treatment system continues to be monitored on a daily basis. The treatment system is operating effectively as a closed loop recirculation treatment system. Groundwater recovery yields are excellent, the groundwater injection galleys and wells are functioning without excessive groundwater mounding and the volatile organic compound (VOC) plume is being treated successfully. Groundwater monitoring data for the offsite treatment system is presented in Table 3.

5.2 Remedial Additives

5.2.1 Remedial Additives Inoculation

General Chemical Corporation implemented the *ex-situ* and *in-situ* biological treatment of subsurface groundwater impacts at both the Warehouse/Yard Area and the Garage/Abandoned Field Road Area, through the introduction of chlorinated- and non-chlorinated compound-degrading microbes along with nutrients and liquid biocatalyst. The bio-treatment product is a proprietary blend of naturally occurring, exogenous, non-pathogenic microbes of the *Archaea* domain, which have been cultured to augment the development and metabolic/reproductive rates of select strains. The microbial products contain a consortium of petroleum hydrocarbon-degrading and de-chlorinating microbes (including MicroSorb® DC [de-chlorinating microbes] and MicroSorb® SC ['super concentrate']) at concentrations of up to 90 billion microbes per gram. These microbes have a preference for metabolizing long-chain and cyclic petroleum hydrocarbons and chlorinated solvents, such as those found at the GCC Site. The microbes and associated remedial additives (i.e. nutrients and liquid biocatalyst) are provided by MicroSorb® Environmental Products, Inc. (MicroSorb®) of Norwell, MA. Information on the microbial products was presented in the Modified Stabilization Plan dated March 30, 2004.

Typical nutrient mixtures that are applied are analogous to a common 20-30-20, non-urea plant food with a balanced Nitrate/Nitrogen content. The optimal concentration of nutrient mixture is 13 mg/l of which 20% (approximately 2.6 mg/l) is total Nitrogen and 1.2 % (approximately 0.16 mg/l) is nitrogen as Nitrate. The addition of the nutrient mixture typically does not produce a Nitrate/Nitrogen level in down-gradient wells in excess of the Massachusetts Groundwater Quality Standards established under 314 CMR 6.00 (10 mg/l). Information on nutrient additives was presented in the Modified Stabilization Plan dated March 30, 2004.

The proprietary, water-based (liquid) biocatalyst that produces essential nutrients and enzymes that facilitates an accelerated microbial metabolic-reproductive rate is introduced simultaneously with the microbes. The biocatalyst is non-pathogenic, non-toxic and non-flammable as described in the Modified Stabilization Plan. The liquid biocatalyst has no adverse impact on soil, groundwater or surface water quality at the Site or beyond. Information on the liquid biocatalyst was presented in the Modified Stabilization Plan dated March 30, 2004.

The addition of microbes, nutrients and biocatalyst activator into the onsite system bioreactor tanks commenced on December 8, 2005. Approximately ten ounces of biocatalyst activator have been added to each biocatalyst generator (the "CoGen") each week (2 ounces per day). MicroSorb SC was added to each bioreactor on December 8, 2005. MicroSorb DC and MicroSorb Nutrients were added to each bioreactor on December 8, 2005 and approximately every two weeks thereafter. A total of one pound of MicroSorb SC, 18.75 pounds of MicroSorb DC and 5.24 pounds of MicroSorb Nutrients have been added to Bioreactor 1 as of December 30, 2006. A total of one pound of MicroSorb SC, 8.75 pounds of MicroSorb DC and 2.99 pounds of MicroSorb Nutrients have been added to Bioreactor 2 as of December 30, 2006. A total of one pound of MicroSorb SC, 6.75 pounds of MicroSorb DC and 1.74 pounds of MicroSorb Nutrients have been added to Bioreactor 3 as of December 30, 2006.

The addition of microbes, nutrients and biocatalyst activator into the onsite system Injection Galleys commenced on January 11, 2006. MicroSorb products were administered to each Galley on January 11, 2006 and monthly thereafter. A total of 5 pounds of MicroSorb SC, 47.5 pounds of MicroSorb DC, 9 pounds of MicroSorb Nutrients and 4,750 gallons of biocatalyst activator have been added to Galley G-1 as of December 30, 2006. A total of 5 pounds of MicroSorb SC, 47.5 pounds of MicroSorb DC, 9 pounds of MicroSorb Nutrients and 4,750 gallons of biocatalyst activator have been added to Galley G-2 as of December 30, 2006, as summarized in Table 6.

Web Engineering also implemented the *in situ* biological treatment of groundwater within the onsite Warehouse and Yard area through direct inoculation to impacted soil and groundwater. The direct inoculation of the remedial additives *in situ* bioremediation system utilized at the Site consists of specified bioinjection well points at strategic locations to effectively treat subsurface soil and/or groundwater impacts. The remedial additives were introduced at Injection Wells IW-1, IW-2, IW-3 and IW-4, all within the vicinity of greatest groundwater impacts at the present time. The locations of the injection wells are depicted in Figure 2.

The subsurface was injected with a blend of microbes, nutrients and liquid biocatalyst. The microbes, nutrients and liquid biocatalyst were administered into the soil and groundwater, under low pressure or gravity flow, at each designated injection well point. Low-pressure injection is recommended in order to maintain control of the applications and to maximize the effectiveness of the volume of additives during each application. Low-pressure injection will also insure symmetrical infiltration of the bioremediation additives through the radii of

influence at each injection point. Upgradient and/or cross-gradient injection of the microbial products further insure complete and widespread application and enhance downgradient biodegradation of constituents of concern at the site. Microbial inoculations were performed on December 8, 2005. A total of 2 pounds of MicroSorb SC, 3 pounds of MicroSorb DC, 5 pounds of biocatalyst activator and 1 pound of MicroSorb Nutrients were administered into each Injection Well.

A total of 484 ounces of biocatalyst activator has been added to the CoGen unit since December 8, 2005.

The Remedial Additives Log for the onsite treatment system is presented in Table 4.

The addition of microbes, nutrients and biocatalyst activator into the offsite system commenced on December 5, 2006. Approximately ten ounces of biocatalyst activator have been added to each biocatalyst generator (the "CoGen" unit) each week (2 ounces per day). A total of 32 ounces of biocatalyst activator has been added to the CoGen unit since system start-up. MicroSorb SC, and MicroSorb DC and MicroSorb Nutrients have not yet been added to the offsite bioreactors. The daily Remedial Additives Log for the offsite treatment system is presented in Table 5. The addition of microbes, nutrients and biocatalyst activator into the offsite system Recovery Trench commenced on December 18, 2006. MicroSorb products administered to the Recovery Trench included 5 pounds of MicroSorb DC, 1,000 gallons of biocatalyst activator and 1 pound of MicroSorb Nutrients (as summarized in Table 6).

5.2.2 Remedial Additives Monitoring

Monitoring for remedial additives was not performed at the Site during this reporting period.

Hydraulic control of the groundwater within the onsite Warehouse/Yard area of the Site has been maintained through the operation of four groundwater recovery wells. The Injection Wells and Injection Galleys are located upgradient of these recovery wells, thus remedial additives applied to the subsurface are re-captured down-gradient in the recovery wells. Maintenance of hydraulic control within the onsite treatment system area is demonstrated in Figure 8.

A minimal amount of remedial additives have been passively applied to the subsurface within the offsite Garage and Abandoned Field Road area through discharge into the Recovery Trench, located up-gradient of the Recovery Wells. Hydraulic control of the groundwater within this offsite area is presumed but has not been conclusively demonstrated. A conclusive determination of whether hydraulic control is being maintained in this area will be forthcoming as additional groundwater gauging information is obtained.

If hydraulic control within the offsite area cannot be confirmed, remedial additives monitoring will be performed on a quarterly basis and will include dissolved oxygen, nitrates, nitrites, total nitrogen, ammonia, sulfates, total phosphorus and total potassium, per the MCP. The analytical tests will be compared to applicable MCP risk standards and federal drinking water standards and/or surface water standards, within the MCP, 310 CMR 40.0000 or 314 CMR 6.00.

5.3 Hydrologic Monitoring

5.3.1 Groundwater Levels

Depths to groundwater in monitoring wells are measured quarterly to the nearest 0.01-foot using a Solinst electronic interface probe. No separate phase floating product (LNAPL) or dense non-aqueous phase liquid (DNAPL) were observed in any of the wells during the reporting period through December 2006.

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

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

5.3.2 Groundwater Recovery

Figure 8 (Hydrogeologic Data) depicts the influence of the operation of the groundwater recovery system at the Onsite Warehouse/Yard Area in August 2006. Recovery wells RW-2, RW-3 and RW-4 are operating. A significant groundwater capture zone is depicted in the Figure. Groundwater elevations are indicated and the groundwater gradient is depicted in one-foot increments. The groundwater elevation at the northern portion of the site is approximately 157 feet. The groundwater is depressed to elevation 146.62 feet at recovery well RW-2, to elevation 136.83 feet at recovery well RW-3 and to elevation 147.62 feet at recovery well RW-4. The groundwater contours indicate that the warehouse and tank farm area are within the groundwater capture zones of the recovery wells.

The operation of the Offsite Garage/Abandoned Field Road Area has not been in operation for a long enough period of time to comment upon the effectiveness of the groundwater recovery system.

5.3.3 Non-aqueous Phase Liquids

There was no indication of light non-aqueous phase liquids (LNAPL) or dense non-aqueous phase liquids (DNAPL) in any of the groundwater monitoring or recovery wells during the period covered by this report.

5.3.4 Non-aqueous Phase Liquid Recovery

There was no apparent LNAPL or DNAPL being captured by the recovery wells during the period covered by this report; however, the surface of Bioreactors #1 and #2 and bag filters occasionally exhibited oil sheens.

5.3.5 Groundwater Flow Impacts

Table 8a presents the concentrations of constituents in the discharge of the recovery wells, the effluent of the Bioreactors and the effluent of the carbon vessels.

Recovery well RW-1 has operated intermittently based upon the ability of the recharge trenches to infiltrate the recovered groundwater. At start-up (November 2005) the groundwater in RW-1 had a total Volatile Organic Compound (VOC)

concentration of 5,160 ug/l. In October 2006 the total VOC concentration was 61,210 ug/l. This increase reflects the successful capture of the groundwater contaminant plume. RW-1 is also within the cone of depression of recovery well RW-2.

Recovery well RW-2 has been operating continuously since start-up. In November 2005 the total VOC concentration in this well was 51,630 ug/l, and increased to 59,240 ug/l in October 2006, again reflecting successful capture of the groundwater contaminant plume. The total VOC concentration decreased to 38,450 ug/l in June 2006, possibly due to seasonal groundwater level fluctuation that may have resulted in dilution of the constituents.

Recovery well RW-3 has been operating since it was activated in March 2006. In June and October 2006 the total VOC concentrations were 255,000 ug/l and 227,000 ug/l respectively.

Recovery well RW-4 has been operating continuously since start-up. In November 2005, the total VOC concentration was 44,360 ug/l. In March 2006 the concentration of total VOCs increased to 96,680 ug/l; decreased to 58,720 ug/l in June 2006 and again increased to 65,420 ug/l in October 2006.

The recovery wells are removing high concentrations of VOCs and the concentrations have increased since startup. The groundwater contours and the high concentration of VOCs recovered indicate that the recovery wells have a cone of influence in the up gradient area of the site and are operating as designed.

The bioreactor system contains approximately 900 gallons of water. At a flow rate of 10 gpm, the residence time is 90 minutes. The circulation of water through the earth is also part of the treatment system. The results indicate that bioremediation is occurring. The increasing concentrations of *cis*-1,2 Dichloroethene in the recovery wells indicate that bioremediation is taking place in the subsurface environment, as presented in the table on the following page. *Cis*-1,2 Dichloroethene is only produced by bioremediation. The bioreactors are in place to add microbes, nutrient and biocatalyst and to act as a capacitor between the recovery wells and the galleys and injection wells. The bioreactors also provide for the measurement of the efficacy of the system. The granulated activated carbon vessels are also part of the treatment system in that the carbon provides sites for the microbes as the carbon absorbs and desorbs organic molecules.

				General Chemical Treatment System Results Influent to Bio-3 Discharge					
				Total flow = 9.42 gpm			6/15/2006	No aeration	
	RW-1	RW-2	RW-3	RW-4	Average	Cl/D In	Bio-3	Cl/D Out	% decrease
	ug/L	ug/L	ug/L	ug/L			ug/L		
	OFF								
Vinyl Chloride CH2CHCl									
Chloroethane C2H5Cl									
Acetone									
1,1 Dichloroethene CHClCHCl		530	6,800	520	2,617	268,755,432	2,000	205,392,000	
1,1,2-Trichlorotrifluoroethane C2Cl3F3			N/A						
Methylene Chloride CH2Cl2		4,300	24,000		9,433	968,731,368	8,100	831,837,600	
MtBE									
trans-1,2-Dichloroethane									
1,1-Dichloroethene C2H4Cl2		N/A							
Cis-1,2-Dichloroethene C2H2Cl2		13,000	45,000	14,000	24,000	2,464,704,000	21,000	2,156,616,000	
1,1-Trichloroethane CH3CCl3		7,200	92,000	7,200	35,467	5,463,478,548	30,000	4,621,320,000	
tert-Amyl Methyl Ether									
Trichloroethene ClCH=CCl2		5,100	38,000	21,000	21,367	3,291,458,148	19,000	2,926,836,000	
Toluene									
Tetrachloroethene C2Cl4		8,000	32,000	16,000	18,667	3,834,052,464	18,000	3,697,056,000	
Total Xylenes									
Isopropylbenzene									
1,1,4-Trimythylbenzene									
Napthelene									
Formula for Cl atoms in/day = Avg. ug/l x# Cl x gpm x 5451						16,291,179,960		14,439,057,600	11.4

The chart on the previous page represents the system operating without aeration. Aeration produces iron oxide (rust) that was clogging the filters and most likely the piping (preparations are being made to install a system to eliminate the formation of iron oxide). The calculations indicate that chlorine atoms in the contaminants entering the system were reduced by 11.4 %. As bioremediation of chlorinated solvents occurs, chlorine is either released as chlorine gas or becomes a chloride salt in the groundwater. The literature indicates chloride salts are most likely created in bioremediation.

These numbers are not precise because flow rates vary, constituents vary and many chlorinated compounds are below the detection limits. The chlorinated solvents with 3 or 4 chlorine atoms become *cis*-1,2 Dichloroethene (DCE) or Dichloroethane (DCA) as biodegradation occurs. Eventually, the compounds become Chloroethane, Vinyl Chloride, Ethane or Ethene and ultimately carbon dioxide.

The impact to selected wells surrounding the site is important in gauging the impact the treatment system is having on the groundwater.

Monitoring well WMW-5 is located in the northeast area of the property. In October 2005 the total VOCs were 225 ug/l. In August 2006 the total VOCs were 70,800 ug/l. *Cis*-1,2-DCE is the constituent with the highest concentration indicating that bioremediation is taking place. It is possible that the well is being affected by the treatment system, particularly from recharge water to Galley Trench G-2, however the groundwater contours indicate groundwater is flowing toward the recovery wells. As the PCE and TCE levels are below detectable limits, it is unlikely that the recharge to Galley Trench G-2 is having an impact.

Monitoring well WMW-4 is located mid-point between east and west property boundaries near the northerly property line. The levels of the constituents in WMW-4 had not changed between March and August of 2006. *Cis*-1,2-DCE is the constituent with the highest concentration indicating that bioremediation is taking place.

Monitoring well WMW-3 is located in the northwesterly corner of the property. The groundwater level in this well is the highest elevation. The levels of the constituents in this well have been nearly constant through three sampling sessions from October 2005 to August 2006.

Monitoring well WMW-2S is located on the northeast corner of the General Chemical property, across Leland Street from the Onsite Warehouse and Yard area. The groundwater in this well displays one of the highest groundwater elevations, second to WMW-3 and apparently across a groundwater divide that trends along Leland Street.

Monitoring well WMW-4S is located on the southeast corner of the General Chemical property, across Leland Street from the Onsite Warehouse and Yard area and across the apparent groundwater divide that trends along Leland Street.

Monitoring well WMW-8S is a shallow well screened from 5-15 feet. The well is approximately 250 down gradient from the Onsite Warehouse and Yard area recovery wells and 170 feet down gradient from the MWRA Aqueduct.

Monitoring well WMW-8D is screened from 45 to 55 feet. The detection limits for the analytes is high and thus the information for total VOCs is not accurate. The concentrations of constituents are of August 2005 and are 1,1,1 Trichloroethane, 22,000 ppb, Trichloroethene, 14,000 ppb and Tetrachloroethene, 110,000 ppb.

5.3.6 Surface Water Monitoring

Surface water elevations are measured quarterly to the nearest 0.01-foot using a Solinst electronic interface probe. No separate phase floating product (LNAPL) or dense non-aqueous phase liquid (DNAPL) was detected or observed in the surface water during the reporting period through December 2006.

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

Groundwater elevations across the study area are historically lower in the summer and fall, rise during the winter and early spring, and are highest in the late spring. Groundwater elevations gauged during the period March 2004 through August 2006 were consistent with historical levels. The summer elevations are consistently lower than the spring elevations.

5.3.7 Wetlands Monitoring

Web Engineering did not monitor directly the surface/groundwater levels in the wetlands area as such monitoring is not within the scope of this Status Report. A discussion of the analytical test results from the well installed within the wetlands area (PZ-1S) is presented in Section 5.4 of this Status Report. Water levels in the wetlands are typically higher during wetter seasons and lower during drier seasons. Based on field observations, LNAPL, DNAPL and/or oily sheen was not observed on the water within the wetlands. There has not been any observed or measured decrease in water level within the wetlands due to the operation of the groundwater recovery/treatment systems.

5.3.8 MWRA Aqueduct Monitoring

Groundwater monitor wells GZ-5S and GZ-5D are the only two groundwater monitor wells gauged and sampled in proximity to the MWRA Aqueduct. Direct gauging/sampling/analytical testing of the water within the MWRA Aqueduct has not been performed. Based on field observations and groundwater gauging, LNAPL, DNAPL and/or oily sheen was not observed on the water within proximity to the MWRA Aqueduct. There has not been any observed or measured decrease in water level in proximity to the MWRA Aqueduct due to the operation of the groundwater recovery/treatment systems.

5.3.9 Drainage Ditch Monitoring

Based on field observations, LNAPL, DNAPL and/or oily sheen was not observed on the water within the drainage ditch. There has not been any observed or measured decrease in water level within the drainage ditch due to the operation of the groundwater recovery/treatment systems. Surface water sampling location SW-10 is located along the drainage ditch, just to the east of the Offsite treatment system. A discussion of the analytical test results from SW-10 is presented in Section 5.4.2 of this Status Report.

5.4 Sampling and Analytical Testing

This section of the report presents the results of (1) groundwater, surface water and treatment system sampling performed since July 2004 and (2) bioremediation system operational data compiled since system startup in October 2005.

5.4.1 Groundwater Monitor Wells

Web Engineering has monitored the groundwater quality at representative onsite and offsite locations. Twenty-three groundwater monitoring wells have been sampled semi-annually since July 2004. These wells include GZ-1, GZ-2, GZ-5S, GZ-7, GZ-7R, GZ-14S, GZ-14M, GZ-15S, GZ-15D, GZ-15R, GZ-19DD, PZ-1S, PZ-2S, WMW-1S, WMW-2S, WMW-2D, WMW-3, WMW-4, WMW-5, WMW-6, WMW-7, WMW-8S and WMW-8D. There are six groundwater recovery wells currently used in the bioremediation system and these are also sampled semi-annually. These wells include RW-1, RW-2, RW-3, RW-4, RW-5D and RW-7. The six bioreactor tanks (three in the onsite and three in the offsite systems) have been sampled quarterly since November 16, 2005. All samples are analyzed at MassDEP-certified laboratories (originally at Alpha Analytical Laboratories and now at Groundwater Analytical) for the presence of volatile organic compounds (VOCs) using EPA Method 8260B. All groundwater gauging, sampling, and bioremediation system operation activities since April 2004 have been performed by Web Engineering.

Several modifications to the groundwater sampling plan have been made since 2004 based on field observations, prior sampling round results and unforeseen events. For example, monitoring wells GZA-16S and GZA-16M were previously vandalized and remain obstructed and as such these two wells cannot be sampled. Well PZ-1S, located approximately 300 feet to the south and down gradient of wells GZA-16S and -16M, was sampled in lieu of GZA-16S because it is along the same groundwater flow path. Well GZA-16M has historically detected no VOCs; sampling of this well is not considered critical. Also, the groundwater monitor well formerly located near the car wash and upgradient of the General Chemical Corporation site is no longer part of the sampling plan. Monitor wells WMW-3, GZ-7 and GZ-7R within the upgradient portion of the site both detected very low concentrations of VOCs (well below applicable MCP Method 1 Groundwater Category GW-2 and GW-3 risk standards), supporting the decision not to sample the car wash well.

Onsite well GZ-1, which has had a damaged surface seal for many years, and historically yielded questionable results, was abandoned in 2005 during construction of the bioremediation system. This well was last sampled in October

2005. Wetland piezometers PZ-1S and PZ-2S were last sampled in June 2005, but were not sampled in October 2005 or in 2006. These wells will be sampled in the future in order to monitor groundwater quality within the wetlands and down-gradient of the offsite treatment system.

In general, the groundwater quality data included in this report are consistent with the groundwater quality data collected during the previous monitoring rounds. The data continue to indicate that the VOC groundwater plume originating beneath the GCC facility continues to exist down-gradient of the site with the highest VOCs detected along the previously mapped centerline of the plume.

In accordance with MassDEP requirements for semi-annual gauging and sampling, Web Engineering has completed all groundwater water sampling events since July 2004. Prior to commencement of the bioremediation system operation in November 2005, the semi-annual sampling program consisted of the collection of groundwater samples from thirteen monitoring wells and surface water samples from four stream locations. This sampling was performed in December 2004, June 2005 and October 2005. Beginning with the October 2005 groundwater sampling event, the sampling program was expanded to include 10 additional monitoring wells installed to specifically evaluate the effectiveness of the bioremediation system. These wells are identified on the site plan and the data tables as wells WMW-1, WMW-2S, WMW-2D, WMW-3, WMW-4, WMW-5, WMW-6, WMW-7, WMW-8S and WMW-8D. The expanded groundwater sampling network, now consisting of 23 monitoring wells, was sampled in October 2005 (just prior to bioremediation system startup), March 2006 and August 2006. The wells were sampled more frequently (every five months) during the first year of system operation to evaluate the impact of re-injecting the contaminated groundwater into the onsite upgradient shallow galleys and deep injection wells. In addition, six groundwater recovery wells were sampled on November 2005, March 2006, June 2006, October 2006 and December 2006 in an effort to evaluate the efficacy of the *in situ* biotreatment system

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

noted on the data tables and the sampling times are listed in the chain of custody contained in Appendix A. Groundwater samples are collected in 40-ml HCL preserved vials and stored in ice. The samples, QA/QC duplicates and trip blanks are transported to a MassDEP-certified laboratory in accordance with MassDEP MCP chain-of-custody protocol. The samples are analyzed for VOCs using EPA Method 8260B. The analytical results for each groundwater sampling/testing event are presented in Table 7 and the laboratory reports and certificates of analysis are included in Appendix A. The laboratory certificates contain the trip blank results and QA/QC batch duplicate analyses.

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, 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, 1,2-Dichlorobenzene, 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 247,500 ug/l in well GZ-19DD. The tabulated analytical results for each of the six sampling events are included with this report in Table 7. No sheens, LNAPL or DNAPL was observed in any of the groundwater samples during the reporting period through December 2006.

Monitor Well GZ-1

This well is located at the southeast-central portion of the General Chemical Corporation property, to the south of the tank farm and in very close up-gradient proximity to recovery wells RW-2 and RW-3. This well was sampled in July 2004, December 2004, June 2005 and October 2005. The well was not sampled in year 2006. Vinyl chloride, 1,1-DCE, 1,1-DCA, *cis-DCE, TCA, TCE* and *PCE* were detected in this well in July 2004, December 2004, June 2005 and October 2005. Only Vinyl Chloride and 1,1-DCE were detected above MCP GW-2 risk standards. Concentrations of all detectable analytes did not exceed MCP GW-3 risk standards in this well.

Monitor Well GZ-2

This well is located to the southeast of the General Chemical Corporation property, toward the Wilson School building and in very close, down-gradient proximity to recovery well RW-1. This well was sampled in July 2004, December 2004, June 2005, October 2005, March 2006 and August 2006. 1,1,2-Trichlorotrifluoroethane, 1,1-DCE, *cis-DCE, TCA, TCE* and/or *PCE* were detected in this well in July 2004, December 2004, June 2005, October 2005 and/or March 2006. All VOC analytes were not detected in August 2006. Only 1,1-DCE was detected above MCP GW-2 risk standards in December 2004. Concentrations of all detectable analytes did not exceed MCP GW-3 risk standards in this well.

Monitor Well GZ-5S

This well is located to the southwest of the General Chemical Corporation property and to the north of the offsite treatment system, at the intersection of Leland Street and the Boston Edison Access Road. This well was sampled in July 2004, December 2004, June 2005, October 2005, March 2006 and August 2006. 1,1,2-Trichlorotrifluoroethane, 1,1-DCA, 1,1-DCE, *cis-DCE, TCA, TCE* and/or *PCE* were detected in this well in July 2004, December 2004, June 2005, October 2005 and/or March 2006. Only 1,1-DCE was detected above MCP GW-2 risk standards in December 2004 and June 2005. Concentrations of all detectable analytes did not exceed MCP GW-3 risk standards in this well.

Monitor Well GZ-7

This well is located along the northern General Chemical Corporation 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. This well was sampled in July 2004, December 2004, June 2005, October 2005, March 2006 and August 2006. MtBE, 1,1-DCE, *cis-DCE, TCA, TCE* and/or *PCE* were detected in this well in July 2004, December 2004, June 2005, October 2005 and/or March 2006. 1,1-DCE was detected at the MCP GW-2 risk standard in December 2004. 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 screen between 92-97 feet) is located along the northern General Chemical Corporation 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 General Chemical Corporation property and the car wash located across Leland Street. This well was sampled in July 2004, December 2004, June 2005, October 2005, March 2006 and August 2006. MtBE, 1,1-DCE, *cis-DCE, TCA, TCE* and/or *PCE* were detected in this well in December 2004, June 2005, October 2005 and/or March 2006. No VOC analytes were detected in this well in July 2004. Only 1,1-DCE was detected at concentrations slightly above the MCP GW-2 risk standard in October 2005. Concentrations of all detectable analytes did not exceed MCP GW-3 risk standards in this well during any sampling/testing event.

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. This well was sampled in July 2004, December 2004, June 2005, October 2005, March 2006 and August 2006. 1,1-DCE, *cis-DCE, TCA, TCE* and/or *PCE* were detected in this well in July 2004, December 2004, June 2005, October 2005 and/or March 2006. Only 1,1-DCE was detected slightly above the MCP GW-2 risk standard in December 2004. Concentrations of all detectable analytes did not exceed MCP GW-3 risk standards in this well during any sampling/testing event.

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. This well was sampled in July 2004, December 2004, June 2005, October 2005, March 2006 and August 2006. 1,1-DCE, 1,1-DCA, *TCA, TCE* and/or *PCE* were detected in this well in July 2004, December 2004, June 2005, October 2005 and/or March 2006. 1,1-DCE and TCE were detected above the MCP GW-2 risk standard during each sampling event, however the concentrations did not exceed MCP GW-3 risk standards.

Concentrations of PCE were detected at concentrations exceeding both MCP GW-2 and GW-3 risk standards during each sampling event. Detectable concentrations of 1,1-DCA and TCA did not exceed MCP GW-2 or GW-3 risk standards during any sampling/testing event.

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. This well was sampled in July 2004, December 2004, June 2005, October 2005, March 2006 and August 2006. 1,1-DCA, *TCA, TCE* and/or *PCE* were detected in this well at very low concentrations in July 2004, October 2005 and/or March 2006. Detectable concentrations of these analytes were well below both MCP GW-2 and GW-3 risk standards during all sampling/testing events.

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. This well was sampled in July 2004, December 2004, June 2005, October 2005, March 2006 and August 2006. *TCA, TCE* and/or *PCE* were detected in this well at very low concentrations in July 2004 and October 2005, well below both MCP GW-2 and GW-3 risk standards during all sampling/testing events. No VOC analytes were detected in this well in year 2006.

Monitor Well GZ-1R

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 wells GZ-15S and –15D. This well was sampled in July 2004, December 2004, June 2005, October 2005, March 2006 and August 2006. *TCA, TCE* and/or *PCE* were detected in this well at very low concentrations in July 2004 and October 2005, well below both MCP GW-2 and GW-3 risk standards during all sampling/testing events. No VOC analytes were detected in this well in year 2006

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. This well was sampled in July 2004, December 2004, June 2005, October 2005, March 2006 and August 2006. 1,1-DCE, Methylene Chloride, 1,1-DCA, *cis-DCE, TCA, TCE* and/or *PCE* were detected in this well in July 2004, December 2004, June 2005, October 2005 and/or August 2006. Detectable concentrations of these analytes often exceeded MCP GW-2 and/or GW-3 risk standards during the sampling/testing events, with the exception of 1-1-DCA and *cis-DCE* which were at or below MCP risk standards. 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 PZ-1S

This well is a located within the wetlands, to the southwest and down- to cross-gradient of the offsite treatment system. This well was sampled in July 2004, December 2004 and June 2005. Only MtBE was detected in this well during the sampling events and at very low concentrations, well below both MCP GW-2 and GW-3 risk standards. This well was not sampled in October 2005, March 2006 or August 2006.

Monitor Well PZ-2S

This well is located adjacent to well PZ-1S, within the wetlands, to the southwest and down- to cross-gradient of the offsite treatment system. This well was sampled in July 2004, December 2004 and June 2005. Vinyl Chloride, 1,1-DCE, 1,1-DCA, *cis-DCE, TCE* and/or *PCE* were detected in this well in July 2004, December 2004, June 2005 and/or October 2005. Vinyl Chloride was detected in this well in July and December 2004, at concentrations exceeding GW-2 but not GW-3 risk standards. Vinyl Chloride was not detected in June 2005. 1,1-DCE was detected above the MCP GW-2 but not GW-3 risk standards. 1,1-DCA, *cis-DCE, TCE* and *PCE* were detected at concentrations below MCP GW-2 and GW-3 risk standards.

Monitor Well WMW-1

This well is located to the northwest of the General Chemical Corporation Warehouse (across Leland Street) and to the southwest of the General Chemical Corporation office building, up-gradient of the onsite and offsite treatment systems. This well was sampled in October 2005 and August 2006. Only *trans*-1,2-DCE, TCA, *TCE* and/or *PCE* were detected in this well at very low concentrations, well below both MCP GW-2 and GW-3 risk standards during all sampling/testing events. Xylenes were detected in this well in October 2005, at concentrations well below both MCP GW-2 and GW-3 risk standards.

Monitor Well WMW-2S

This shallow well is also located to the northwest of the General Chemical Corporation Warehouse (across Leland Street) and to the southeast of the General Chemical Corporation office building, up-gradient of the onsite and offsite treatment systems. This well was sampled in October 2005, March 2006 and August 2006. Only 1,1-DCA, TCA, *TCE* and/or *PCE* were detected in this well at very low concentrations, well below both MCP GW-2 and GW-3 risk standards during all sampling/testing events. 1,1-DCE was only detected in this well in October 2005, just slightly over MCP GW-2 risk standards (but below GW-3 risk standards). 1,4-Dichlorobenzene was detected in this well in March 2006, at a very low concentration well below both MCP GW-2 and GW-3 risk standards.

Monitor Well WMW-2D

This deep well is also located to the northwest of the General Chemical Corporation Warehouse (across Leland Street) and to the southeast of the General Chemical Corporation office building, up-gradient of the onsite and offsite treatment systems and adjacent to well WMW-2S. This well was sampled in October 2005, March 2006 and August 2006. Only 1,1-DCA, cis-1,2-DCE, TCA, *TCE* and/or *PCE* were detected in this well at very low concentrations, well below both MCP GW-2 and GW-3 risk standards during all sampling/testing events. 1,1-DCE was only detected in this well in March 2006, just slightly over MCP GW-2 risk standards (but below GW-3 risk standards). Toluene and Xylenes were also detected in this well, at a very low concentrations well below both MCP GW-2 and GW-3 risk standards.

Monitor Well WMW-3

This well is located at the northern corner of the General Chemical Corporation property, adjacent to Leland Street and to the south of the car wash, up-gradient of the onsite treatment systems. This well was sampled in October 2005, March 2006 and August 2006. Only cis-1,2-DCE, TCA, *TCE* and/or *PCE* were detected in this well at very low concentrations, well below both MCP GW-2 and GW-3 risk standards during all sampling/testing events. Xylenes were also detected in this well in October 2005, at a very low concentrations well below both MCP GW-2 and GW-3 risk standards.

Monitor Well WMW-4

This well is located along the northeast-central General Chemical Corporation property boundary, to the north and up-gradient of the General Chemical Corporation Warehouse and Tank Farm. This well was sampled in March 2006 and August 2006. 1,1,2-Trichlorotrifluoroethane, 1,1-DCE, Methylene Chloride, 1,1-DCA, *cis-DCE, TCA, TCE* and/or *PCE* were detected in this well in March and/or August 2006. 1,1-DCE, TCE and PCE were detected above MCP GW-2 risk standards in this well. Only PCE was detected above GW-3 risk standards in August 2006. Concentrations of all detectable analytes did not exceed MCP GW-3 risk standards in this well. In addition, 1,2,4-Trimethylbenzene and Naphthalene were detected in this well in March and August 2006, however the concentrations of these analytes did not exceed MCP GW-2 or GW-3 risk standards.

Monitor Well WMW-5

This well is located along the southeast-central General Chemical Corporation property boundary, to the east and up- to cross-gradient of the General Chemical Corporation Warehouse and Tank Farm. This well was sampled in October 2005, March 2006 and August 2006. 1,1-DCE, Methylene Chloride, 1,1-DCA, *cis-DCE, TCA, TCE* and/or *PCE* were detected in this well in October 2005, March and/or August 2006. 1,1-DCE, *cis-DCE, TCA,* TCE and PCE were detected above MCP GW-2 risk standards in this well. No analytes were detected above GW-3 risk standards in August 2006.

Monitor Well WMW-6

This well is located within the heart of the onsite plume, just to the south of the General Chemical Corporation 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. This well was also sampled in October 2005, March 2006 and August 2006. 1,1,2-Trichlorotrifluoroethane, 1,1-DCE, Methylene Chloride, *cis-DCE, TCA, TCE* and/or *PCE* were detected in this well in October 2005 and March and/or August 2006. 1,1-DCE, *cis-DCE, TCA,* TCE and PCE were detected above MCP GW-2 risk standards in this well. Only TCA and PCE were detected above GW-3 risk standards in August 2006.

Microbes, nutrient and biocatalyst were added to the treatment system in early December 2005. Recovery wells RW-2 and RW-3 are immediately down gradient of WMW-6. Recovery well RW-3 was started in March 2006. This is an important well to gage the impact of the remediation system. In October 2005, the total VOCs were 142,700 ppb. In August 2006, the total VOCs were 115,000 ppb. The months in which the concentrations are described are October 2005, before treatment system startup, March 2006 and August 2006. All concentrations are in parts per billion (ug/l). The concentrations of 1,1 DCE were 3,700 ug/l, 2,000 ug/l, and 2,400 ug/l. (DCE is a manufactured product and also is created by bioremediation). The concentrations of Methylene Chloride were <5,000 ug/l, <5,000 ug/l, and 6,600 ug/l. The concentrations of *cis*-1,2-DCE were 28,000 ug/l, 42,000 ug/l, and 32,000 ug/l. The increase in *cis*-1,2-DCE is most likely the result of the groundwater treatment. The concentrations of TCA were 57,000 ug/l, 63,000 ug/l, and 36,000 ug/l. The concentrations of Trichloroethene were 18,000 ug/l, 4,300 ug/l, and 13,000 ug/l. The concentrations of PCE were 35,000 ug/l, 6,000 ug/l, and 13,000 ug/l. In all cases, the concentrations of the chlorinated solvents (with the exception of *cis*-1,2-DCE) are lower than October 2005, prior to system startup.

Monitor Well WMW-7

This well is located to the northwest of the General Chemical Corporation Warehouse (across Leland Street) and to the northwest of the General Chemical Corporation office building, up-gradient of the onsite and offsite treatment systems.

This well was sampled in October 2005, March 2006 and August 2006. Very low concentrations of Vinyl Chloride, 1,1-DCE, *trans*-1,2-DCE, 1,1-DCA, *cis-DCE,* TCA, *TCE,* and PCE were detected in this well. Vinyl Chloride and 1,1-DCE were the only analytes detected at concentrations exceeding MCP GW-2 risk standards in October 2005; and only 1,1-DCE March 2006. Concentrations of these analytes did not exceed MCP GW-3 risk standards. Vinyl Chloride and 1,1-DCE were not detected in this well in August 2006. Concentrations of all other chlorinated analytes did not exceed MCP GW-2 or GW-3 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 MCP risk standards.

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. This well was sampled in August 2006. 1,1,2-Trichlorotrifluoroethane, 1,1-DCE, *cis-DCE,* TCA, *TCE,* and PCE were detected in this well. 1,1-DCE and TCE were the only analytes whose concentration exceeded MCP GW-2 risk standards. Concentrations of these analytes did not exceed MCP GW-3 risk standards.

Monitor Well WMW-8D

This deep well is also located along the drainage ditch, adjacent to Recovery Well RW-7, to the southeast and cross- to down-gradient of the offsite treatment system. This well was sampled in August 2006. TCA, *TCE,* and PCE were the only analytes detected in this well. Concentrations of these analytes exceeded MCP GW-2 risk standards. PCE was the only analyte whose concentration exceeded MCP GW-3 risk standards.

Samples of groundwater obtained from the recovery wells were also tested for VOCs. The concentrations of the VOC analytes varied, as expected, depending on location with respect to the plume, duration of effective operation (and duration of shut-in time for repairs or routine maintenance), etc. A discussion of the significance of observed analyte concentrations is not within the scope of this report at this time. However as progress is made toward effective groundwater remediation, the observed decline in the concentration of VOC analytes will become more pertinent. Such observations will be discussed in future Performance Status Reports.

Overall, the individual concentrations and total VOC concentrations detected in the monitoring wells sampled between July 2004 and August 2006 were consistent with those observed during prior sampling rounds. Groundwater VOC concentrations attributed to operation of the bioremediation system are discussed in Section 5.4.3.

The only offsite wells of critical concern, and containing individual VOC parameters over 100 ug/l were GZA-14S, GZA-14M and GZA-19DD. The total VOC concentration is GZA-14S (shallow well) has ranged from 18.5 ug/l in July 2004 to 240 ug/l in June 2005, a slight increase, then decreasing to 126 ug/l in October 2005. The total VOC concentration in GZA-14M (deeper well) has ranged from 13,850 ug/l in December 2004 to 20,140 ug/l in June 2005, reflecting more concentrated dissolved constituents within the lower portions of the impacted aquifer, as expected. The total VOC concentration in well GZA-19DD has ranged from 247,500 ug/l in July 2004 to 134,010 ug/l in June 2005. This well is screened within the heart of the offsite portion of the plume. The total VOC concentration in GZA-19DD has generally been decreasing since July 2004. All other monitoring wells contained low levels of dissolved VOCs with individual VOC parameter concentrations generally less than 20 ug/l. The highest VOC levels in well GZA-19DD were PCE (94,000 ug/l), TCE (52,000 ug/l), 1,1,1-TCA (45,000 ug/l), *cis*-1,2-DCE (30,000 ug/l) and 1,1-DCE (6,300 ug/l).

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

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

5.4.2 Surface Water

Web Engineering personnel collected four surface water samples (SW-10, SW-USA-1, SW-3 and SW-DSC-1) on a semi-annual basis. Surface water samples were collected for analytical testing in July 2004, December 2004, June 2005 and August 2006. Surface water samples could not be obtained during the scheduled December 2005 sampling event due to frozen surface water conditions. All surface water samples are grab samples obtained at mapped locations as depicted in Figure 2. Surface water samples are collected in 40-ml HCL-preserved vials and stored in ice prior to transport to the laboratory for testing. The samples, QA/QC duplicates and trip blanks are transported to a MassDEP-certified laboratory in accordance with MassDEP MCP chain-of-custody protocol. The samples are analyzed for VOCs using EPA Method 8260B. The analytical results for each event are presented in Table 9 and the laboratory certificates of analysis/laboratory reports are presented in Appendix A. The laboratory certificates contain the trip blank results and QA/QC batch duplicate analyses.

Four surface water locations (SW-3, SW-10, SW-DSC-1 and SW-USA-1) were selected for sampling and testing. These locations are depicted in Figure 2. SW-3 is located down-gradient of the General Chemical Corporation site, at the confluence of the surface water drainage ditch and Course Brook. SW-10 is located along the surface water drainage ditch, between recovery wells RW-5 and RW-7, and to the southeast of the offsite treatment system Recharge Trench. SW-DCS-1 is located down-gradient of the General Chemical Corporation site along Course Brook, downstream of location SW-3. SW-USA-1 is located down-gradient of the General Chemical Corporation site along Course Brook, downstream of location SW-DSC-1.

Ten VOCs including Vinyl Chloride, Chloroethane, 1,1-DCE, Methylene Chloride, *trans*-1,2-DCE, 1,1-DCA, *cis*-1,2-DCE, TCA, TCE, PCE and Toluene have been detected above method detection limits in the surface samples. The total VOC concentrations from July 2004 to August 2006 in sample SW-3 ranged from ND to 1,519 ug/l at SW-3; from 1,395 ug/l to 749 ug/l at SW-10; from ND to 5 ug/l at SW-DCS-1; and from ND to 33 ug/l back to ND at SW-USA-1. No sheen, LNAPL or DNAPL was observed in any of the surface water samples.

Since there are no MCP-based risk standards established for constituents of concern in surface water, Web Engineering attempted to draw a comparison of relative risk by comparing the detected concentrations of individual VOC constituents in the surface water sample to United States Environmental Protection

Agency (USEPA) ECOTOX Thresholds. 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 potentially adverse ecological effects to warrant further site investigation (*USEPA, ECO Update, Intermittent Bulletin, Volume 3, Number 2, January 1996*). Ecotox values have been determined for 1,1-DCA (47 ug/l), TCA (62 ug/l), TCE (350 ug/l), PCE (120 ug/l), Toluene (130 ug/l), Xylenes (1.8 ug/l) and Naphthalene (24 ug/l). Ecotox values for 1,1-DCA were exceeded in the surface water samples obtained in August 2006 at location SW-3 (170 ug/l) and in the surface water samples obtained from July 2004 through August 2006 at location SW-10 (380, 87, 310 and 250 ug/l, respectively). Ecotox values for TCA were exceeded in the surface water samples obtained in August 2006 at location SW-3 (200 ug/l) and in the surface water samples obtained in December 2004 and August 2006 at location SW-10 (190 and 74 ug/l, respectively). Ecotox values were not exceeded for any other constituent of concern at any other surface water sampling location.

Generally speaking, and with the exception of location SW-3, declining concentrations of VOCs are observed at the surface water sampling locations. The total VOC concentrations are lower during the summer and higher during the winter. The lower summer levels are attributable to higher volatilization due to higher ambient air and water temperature. Overall, the higher VOC surface water concentrations are at the upgradient end of the surface water drainage ditch that parallels the Exelon access road and decrease to very low or non-detect levels where the drainage ditch flows into Course Brook. The natural breakdown and biodegradation of the VOCs is evident in the surface water sample results. The PCE and TCE levels are low to non-detect; the highest concentrations are the breakdown products: *cis*- and *trans*-DCE, 1,1-DCA, vinyl chloride and chloroethane. Surface water temperatures are highest in July and August and lowest during the winter months. Seasonal VOC concentrations correlate directly with air and water temperature; as the air and water temperature increase, the rate of VOC volatilization also increases, resulting in lower dissolved VOC concentrations in the surface water samples. VOCs also tend to be trapped under the ice cover during the winter. Surface water VOC concentrations are generally lower during the summer sampling rounds, reflecting both the seasonal trend and the long-term trend.

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

5.4.3 Treatment System

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

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

Web Engineering has monitored the treatment system water quality at both onsite and offsite locations. The six bioreactor tanks (three in the onsite and three in the offsite systems) have been sampled quarterly since November 16, 2005. All samples are analyzed at MassDEP-certified laboratories (originally at Alpha Analytical Laboratories and now at Groundwater Analytical) for the presence of volatile organic compounds (VOCs) using EPA Method 8260B. All sampling and bioremediation system operation activities since April 2004 have been performed by Web Engineering. The total VOC concentration in recovery well RW-3 decreased from 255,000 ppb in June 2006 to 227,000 ppb in October 2006, a 10.9% reduction. The primary source contaminants are PCE, TCE, TCA, Methylene Chloride, and 1,1,2-Trichlorotrifluoroethane (Freon). Biodegradation of PCE and TCE to *cis*-DCE is the best evidence at this time of the

biodegradation that is occurring within the subsurface. *cis*-DCE is only produced through the bioremediation process. The *cis*-1,2-DCE will eventually degrade to vinyl chloride and ethene.

The average influent VOC concentration from the 4 recovery wells in October 2006 was 103,400 ppb. The effluent VOC concentration from Bioreactor #1 (BIO-1) was 90,300 ppb, a 12.7% VOC reduction in the first bioreactor from June to October 2006. The *cis*-DCE concentration in BIO-1 has increased threefold from 8,300 ppb in November 2005 to 25,000 ppb in October 2006, further evidence of the biodegradation occurring in the treatment system.

In recovery well RW-2 the PCE in groundwater has decreased over the last year from 13,00 ppb to 8,100 ppb while the *cis*-DCE has increased from 13,000 ppb to 23,000 ppb. This is strong evidence that biodegradation is actively occurring in the groundwater.

Several of the groundwater monitoring wells provide direct evidence of *in situ* biodegradation. For example, in well WMW-6 (located onsite near RW-3) the PCE has decreased from 35,000 ppb in October 2005 (before the treatment system started) to 13,000 ppb in August 2006. At the same time the *cis*-DCE has increased from 28,000 ppb to 42,000 ppb. The total VOC concentration has decreased from 142,700 ppb to 115,000 ppb. Monitoring well WMW-6 is positioned within the chlorinated solvent plume source area, and will continue to be used to evaluate the biodegradation effectiveness.

The offsite garage system is designed to bioremediate the downgradient VOC plume that has migrated offsite beneath, and past, the abutting CSX railroad tracks and the MWRA aqueduct. Startup of this system was delayed by flooding of the surrounding wetlands during the spring and early summer of 2005. Gravel access roads to the recovery wells were completed in October 2006 and additional gravel was placed over the injection trench. The offsite system was started up on October 17, 2006. Baseline groundwater samples were obtained from the recovery wells in November 2006 followed by injection of microbes, nutrients and biocatalyst. Evaluation of the offsite treatment system will be discussed in the next Performance Status Report (October 2007). The bioremediation system recovery wells and bioreactor tanks will be sampled on a quarterly basis and analyzed for VOCs by EPA Method 8260B. The sample dates will be scheduled to coincide with the groundwater elevation monitoring and groundwater/surface water sampling schedule.

5.5 Remedial Action Impacts

The operation of the treatment systems and operations (i.e. groundwater recovery and treatment, bio-injection, bioaugmentation, etc) have not had any observed adverse impact on existing onsite or offsite surface or subsurface environmental receptors. Further, the installation, operation, maintenance and monitoring of the various treatment systems have not had any adverse impact on nearby environmental receptors or other natural resource areas, such as the Drainage Ditch, Course Brook, the MWRA aqueduct, the wetlands, etc, based on field observation and laboratory test data.

The following procedures have been implemented at the site in order to maintain compliance with the "Management Procedures for Remedial Wastewater and Remedial Additives" under Section 310 CMR 40.0040 of the Massachusetts Contingency Plan:

- The quantity of additives is sufficiently small such that their application to the groundwater has not affected the surface or subsurface soil or any other subsurface structures, or caused any mounding, flooding, or breakout to the ground surface;

- The microbial mixture is the *Archaea*, and therefore does not contain any pathogenic or coliform bacteria and the biocatalyst is a carbon-enriched water that is processed from naturally-occurring organic materials. Accordingly, their application has no adverse impact on the quality of the groundwater at the disposal site. The nutrients may raise the nitrogen levels in the groundwater; however, the amount of nutrients added to the subsurface is sufficiently low such that the Massachusetts Groundwater Quality Standards established under 314 CMR 6.00 are not anticipated to be exceeded.

  Note: nitrogen levels in the groundwater will be monitored on a regular basis to insure compliance with these applicable standards.

- The application of microbes, nutrients and liquid biocatalyst do not exacerbate the existing conditions or inhibit the natural attenuation of the existing soil and/or groundwater.

5.6 Safety Controls

The groundwater recovery and treatment system operates on a 24 hour per day basis, seven days per week. Groundwater recovery (and containment within the bioreactors) is controlled by high and low level probes installed within the treatment tanks. Light or dense-non-aqueous phase liquid (LNAPL or DNAPL) collected in the system is contained within the first treatment tank at each Area, thus eliminating the need for offsite disposal. Groundwater recovery and recharge rates are monitored (controlled) through an individual series of flow meters and adjustable flow valves for each recovery and recharge point. Web Engineering, in conjunction with General Chemical Corporation personnel, oversees the day-to-day operation of the treatment system.

Safety control devices, including (but not limited to) containment structures, leak detection devices, run-off controls, pressure valves, bypass systems or safety cutoffs, are not applicable to these remedial actions at this time.

5.7 Management of Remediation Wastes

A certain amount of remediation waste was generated during treatment system construction and ensuing activities. All waste generated in the installation, operation and maintenance of the system has been managed as internally-generated waste at the General Chemical Corporation facility, as the waste is part of the same site under the same Generator Identification Number. Since General Chemical Corporation is a licensed hazardous waste management facility, internally-generated waste is placed into facility inventory and is subsequently transported to appropriate licensed facilities for treatment or disposal. A description of remediation waste management follows:

Soil

The generation of soil as remediation waste occurred in association with the advancement of soil borings (soil cuttings generated in preparation for groundwater recovery/monitor/injection well installation) and soils excavated for the installation of the recharge trenches.

Groundwater

An undetermined amount of groundwater was generated during construction of the groundwater treatment systems and development of the groundwater recovery, injection and monitoring wells. This groundwater was containerized in D.O.T.-approved 55 gallon drums and managed through the biotreatment systems.

Other Remediation Waste

Intangible remediation wastes generated such as polyethylene sheeting, piping, bag filters, bailers, sampling gloves, absorbent pads or socks, etc. have been containerized and managed in an appropriate manner by General Chemical Corporation.

6.0 PUBLIC INVOLVEMENT

There are currently no relevant property access restrictions or other issues associated with the construction and operation of the proposed remedial actions. Notification of the intent to commence site activities is provided to all involved entities, and contact is made to obtain permission for access as necessary.

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.

7.3 Data Usability and QA/QC Data

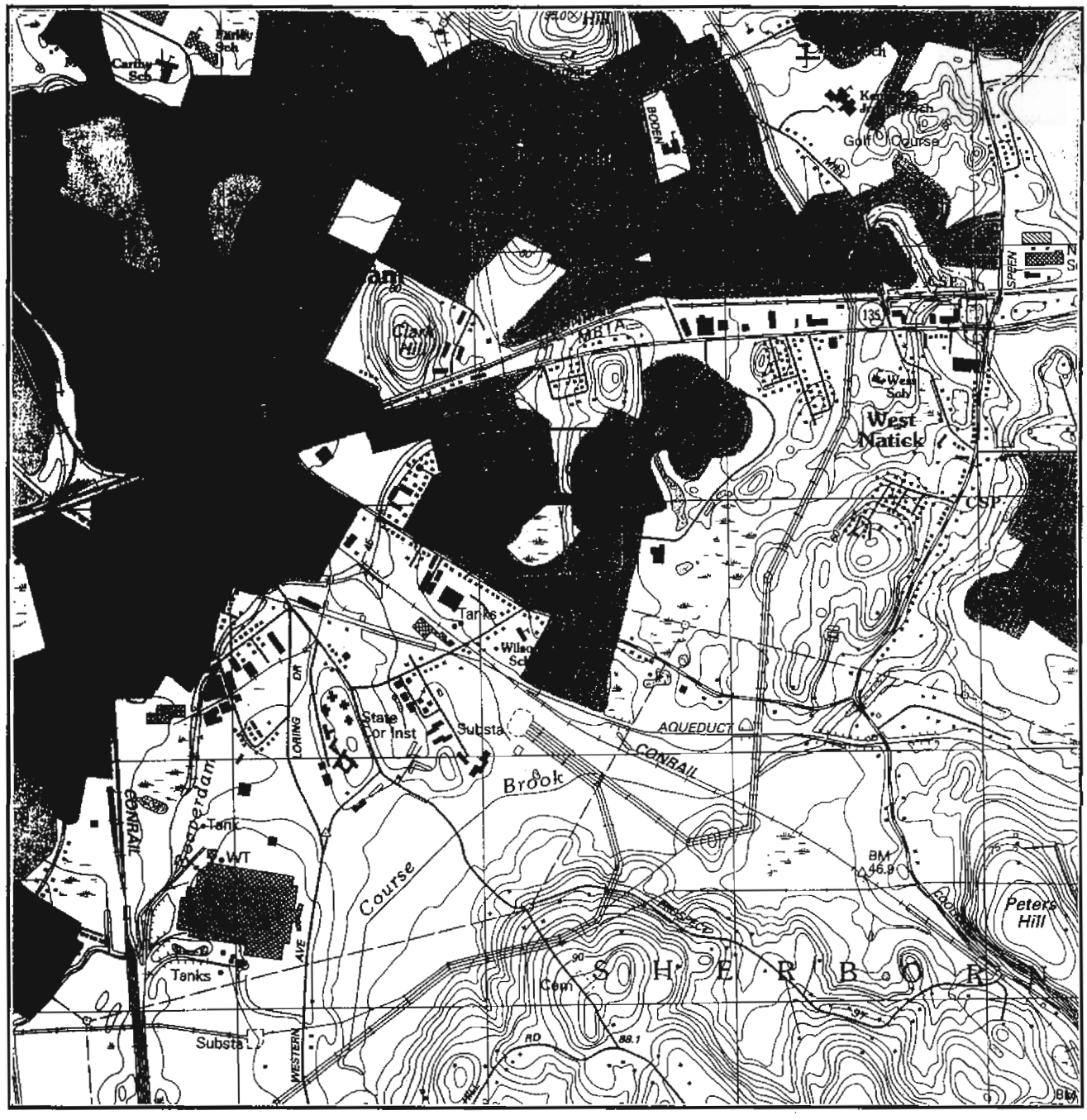
In accordance with the MassDEP Decision with Modifications dated November 2, 2000, this report includes a discussion and evaluation of the quality and usability of the data. Included in this evaluation are a review of trip blanks, matrix spike and surrogate recoveries and a discussion of elevated detection limits. The trip blanks included with the groundwater and surface water samples have not detected any VOCs at the method detection limit. Several groundwater samples and one surface water sample had elevated limits of detection due to required dilutions ranging from 2x to 2000x. This is normal for these samples given the high historical VOC concentrations detected in previous sampling rounds. The monitoring wells and surface water samples with elevated MDLs had also been diluted in prior sampling rounds due to elevated VOCs. Dilution of samples is a normal laboratory procedure performed to reduce sample concentrations to levels that fall within the calibration range of the instrument. The laboratory certificates of analysis contain a narrative discussion of the dilution.

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

FIGURES



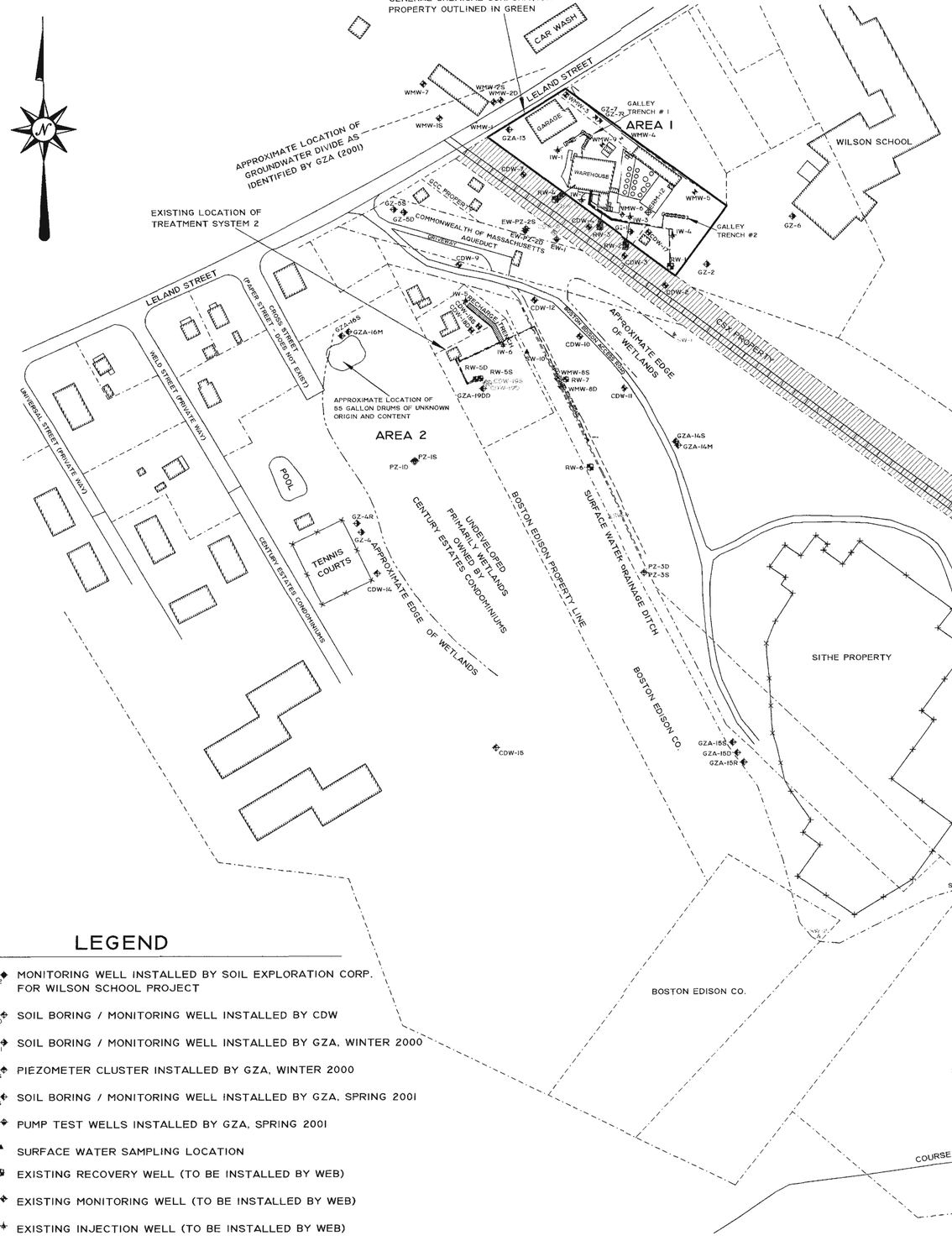
Source: U.S. Geological Survey
1:25000 Quadrangle
Framingham, MA
(1987)

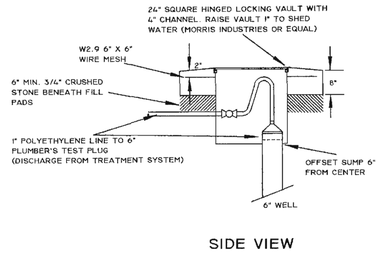
Approximate Scale (feet)

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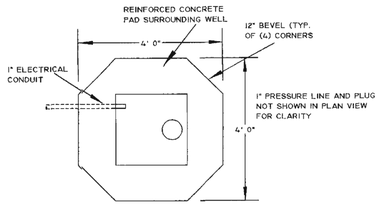
North

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		





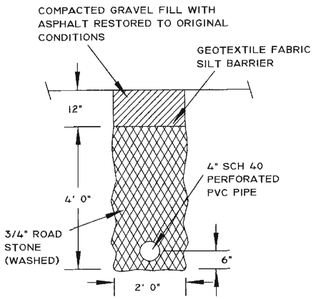
SIDE VIEW



PLAN VIEW

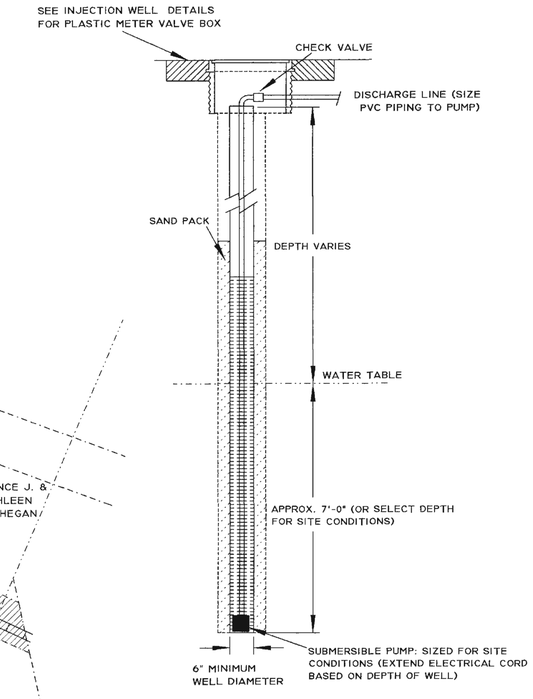
INJECTION WELL SUMP DETAILS

NOT TO SCALE



RECHARGE TRENCH DETAILS

NOT TO SCALE



RECOVERY WELL DETAILS

NOT TO SCALE

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)

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

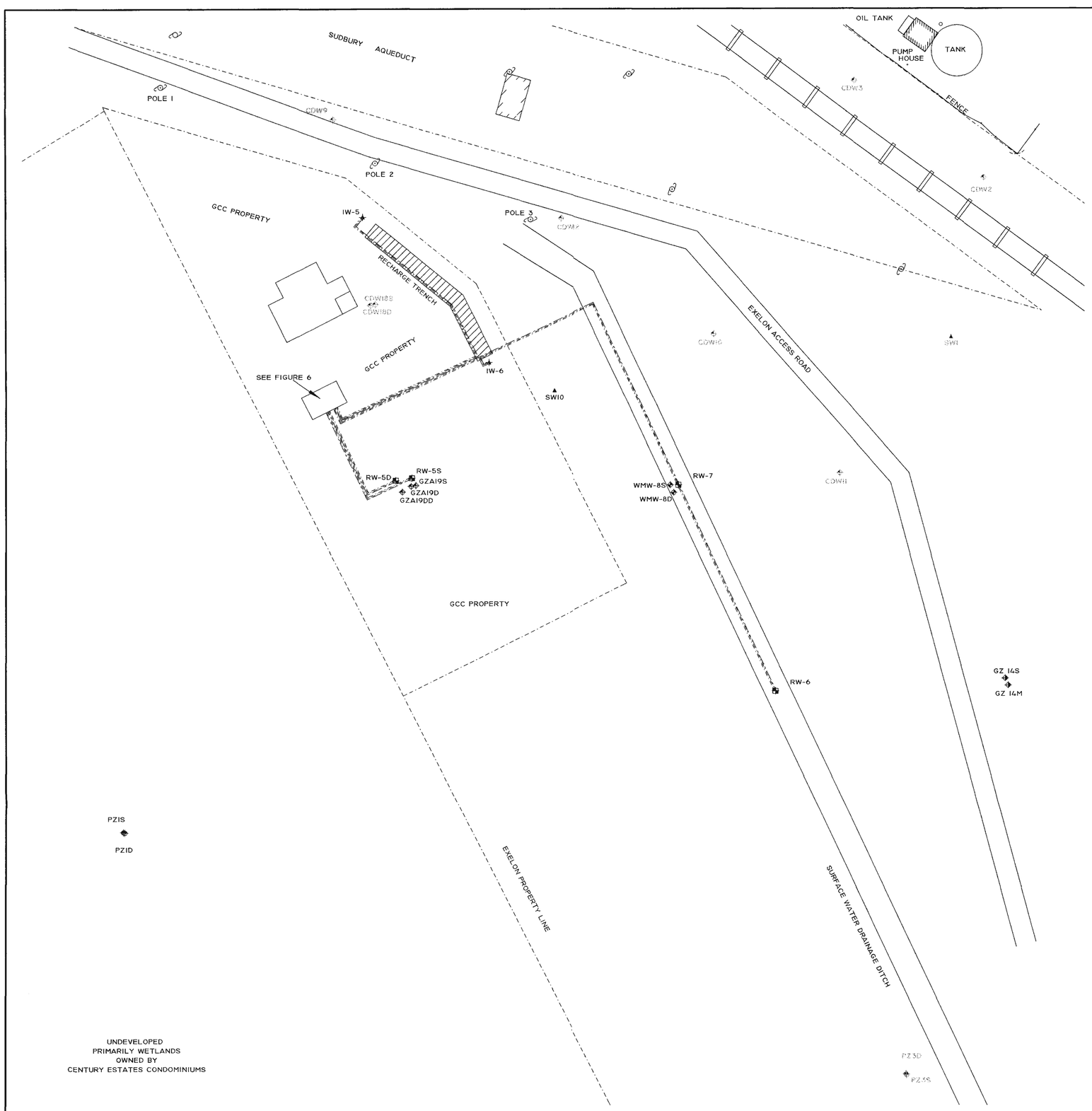
LEGEND

- 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
- WMW-1 — EXISTING MONITORING WELL
- IW-1 — EXISTING INJECTION WELL
- 1 2 3 4 — EXISTING RECHARGE GALLEY TRENCH
- EXISTING WATER LINES
- EXISTING POWER LINES

EXTENT OF GENERAL CHEMICAL CORPORATION PROPERTY OUTLINED IN GREEN

WMW-7
OFFICE
WMW-2S
WMW-2D
SMH
WMW-3
WMW-1
GARAGE
GALLEY TRENCH # 1
WATER LINE
ERM11
GZ7
GZ7R
RETAINING WALL WITH STOCKADE FENCE
GZ 13
GATE
ELECTRIC PANEL
CONC.
5 6 7 8
9 10 11 12
1 2 3 4
IW-1
C.B. WITH TANK
FIRE LINE
SHUT OFF VALVE
C.B. WITH TANK
TREATMENT TRAILER
CONC. PAD
WMW-4
BIT. RAMP
C.B. WITH TANK
SHUT OFF VALVE
CSX PROPERTY
WAREHOUSE
BUILDING
LOADING DOCK
CONC. WALK
C.B. WITH TANK
SEE DRAWING # 0476
ROOF DRAIN
IW-2
CONC. PAD
EXISTING ROOF LINE
STOCKADE FENCE
WMW-5
RW-2
GCC PROPERTY
CSX TRACK
C.B. & 2000 GALLON TANK
STORAGE CONTAINER
TANK
CONC.
WATER LINE
GALLEY TRENCH #2
13 14 15 16 17 18 19 20 21 22
WMW-6
ERM12D
CDW-1
IW-3
RW-3
CDW-2
CDW-6
CDW-17
OIL TANK
PUMP HOUSE
IW-4
TANK
FENCE & PROPERTY LINE
CSX PROPERTY
FENCE
RW-1
GZ2
WILSON SCHOOL
GZ-6
SUDBURY AQUEDUCT
CDW-9
POLE 2
CDW-12

WEB ENGINEERING ASSOCIATES, INC. 104 LONGWATER DRIVE, NORWELL, MA 02061		
DATE: 1/25/07	FILE: EXISTING AA	DRAWN BY: JAS
SCALE: 1" = 20'		JOB #:04-E-005
GENERAL CHEMICAL CORPORATION 133-135 LELAND STREET, FRAMINGHAM, MASSACHUSETTS		
FIGURE 3: GROUNDWATER REMEDIATION SYSTEM - WAREHOUSE & YARD AREA		DRAWING No: 0465



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 (INSTALLED BY WEB)
WMW-1 ✣	EXISTING MONITORING WELL (INSTALLED BY WEB)
IW-1 ✣	EXISTING INJECTION WELL (INSTALLED BY WEB)
	EXISTING RECHARGE TRENCH (INSTALLED BY WEB)
	EXISTING WATER LINES (INSTALLED BY WEB)
	EXISTING POWER LINES (INSTALLED BY WEB)

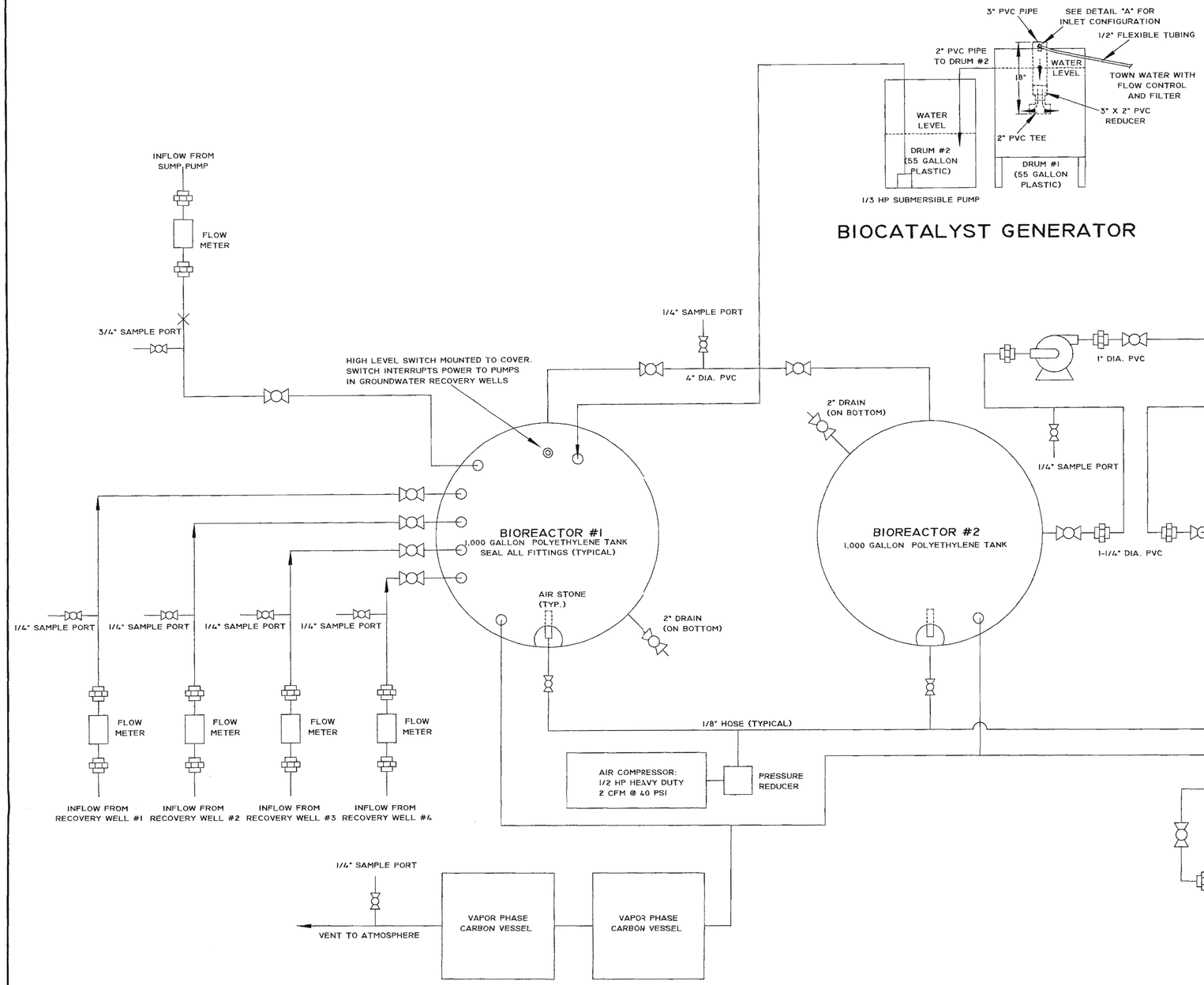
WEB ENGINEERING ASSOCIATES, INC.
104 LONGWATER DRIVE, NORWELL, MA 02061

DATE: 1/25/07	FILE: EXISTING BA	DRAWN BY: JAS
SCALE: 1" = 30'		JOB #: 04-E-005

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

FIGURE 4: GROUNDWATER REMEDIATION SYSTEM - GARAGE AND ABANDONED FIELD ROAD AREA

DRAWING No: 0466



GROUNDWATER RECOVERY AND TREATMENT SYSTEM

SOLENOID VALVE

BALL VALVE

UNION

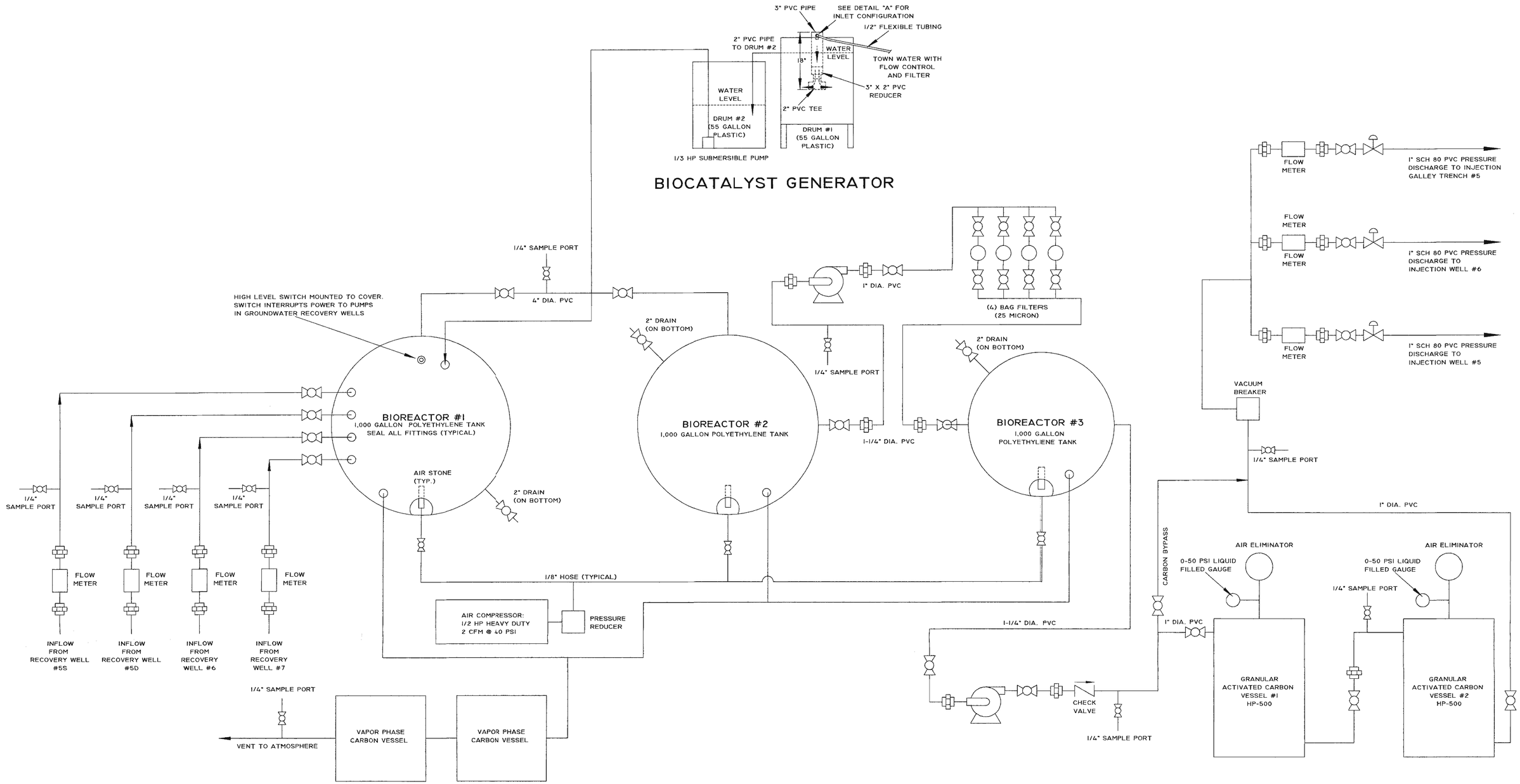
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104 LONGWATER DRIVE, NORWELL, MA 02061

DATE: 1/24/07	FILE: SYSTEM 1 AB	DRAWN BY: JAS
SCALE: NONE		JOB #: 04-E-005

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

FIGURE 5: AS BUILT CONDITIONS - WAREHOUSE & YARD
GROUNDWATER RECOVERY & TREATMENT SYSTEM #1

DRAWING No: 0516



GROUNDWATER RECOVERY AND TREATMENT SYSTEM

SOLENOID VALVE

BALL VALVE

UNION

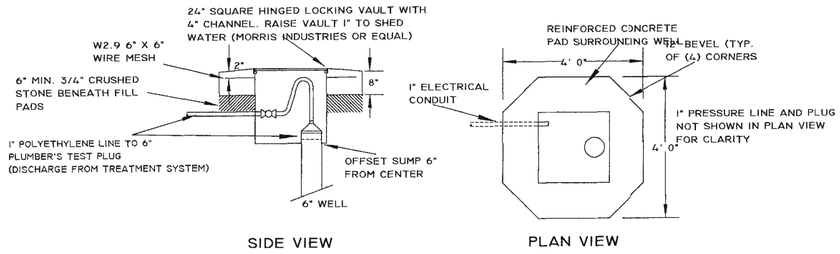
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104 LONGWATER DRIVE, NORWELL, MA 02061

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

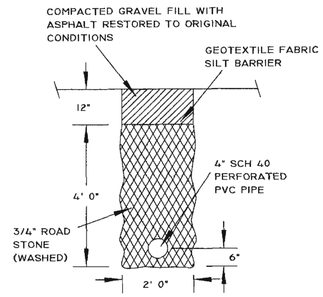
FIGURE 6: AS BUILT CONDITIONS - GARAGE & LOT
GROUNDWATER RECOVERY & TREATMENT SYSTEM #2

DRAWING No: 0517



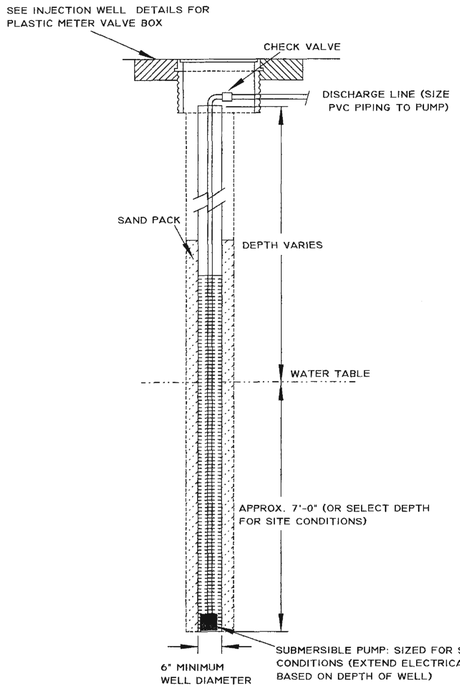
INJECTION WELL SUMP DETAILS

NOT TO SCALE



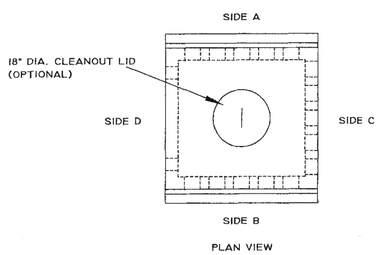
RECHARGE TRENCH DETAILS

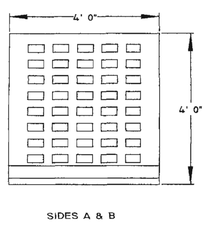
NOT TO SCALE

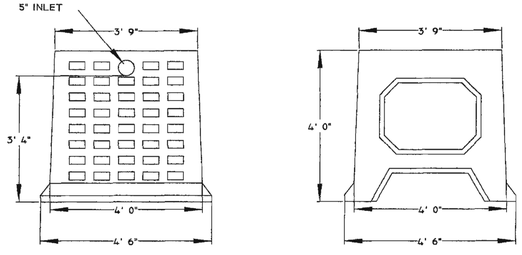


RECOVERY WELL DETAILS

NOT TO SCALE







SIDE C: G-4, G-8, G-9, GI3, G-1, G-5, G-12 & G-22 SIDE D: ONE ON G-4, G-8, G-9, GI3, G-1, G-5, G-12 & G-22
TWO ON G-2, G-3 G-6, G-7, G-10, G-11 & G-14 THROUGH G21

GALLEY SPECIFICATIONS AND GENERAL NOTES:

1. CONCRETE STRENGTH: 4,000 PSI AT 28 DAYS. DENSITY = 150 PCF
2. CEMENT: PORTLAND TYPE I OR III. ASTM C(%)-81
3. ADMIXTURES, AIR AND PLASTICIZERS TO MEET ASTM C233-82
4. WIRE FABRIC REINFORCING TO MEET ASTM A615 (GRADE 60 ROD)
5. HS-20-44 DESIGN LOADING

GALLEY DETAILS

NOT TO SCALE

GALLEY INSTALLATION: EXCAVATE TO BEDROCK AND BACKFILL WITH 1-1/2" WASHED ROADSTONE (NO FINES)

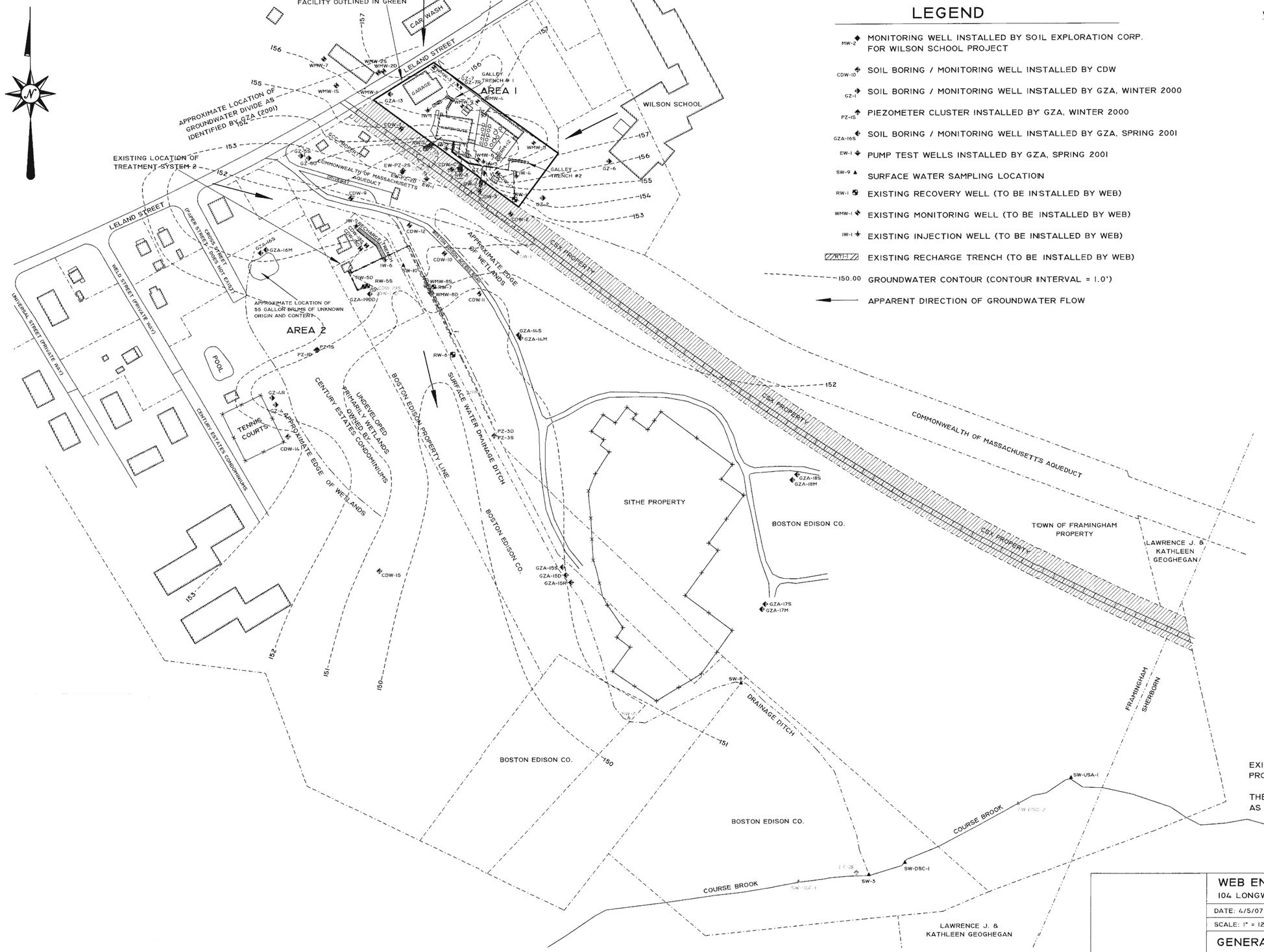
WEB ENGINEERING ASSOCIATES, INC.
104 LONGWATER DRIVE, NORWELL, MA 02061

DATE: 1/24/07	FILE: DETAILS	DRAWN BY: TLG
SCALE: 1" = 30"		JOB #: 04-E-005

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

FIGURE 7: WELLS, GALLEY & TRENCH DETAILS

DRAWING No: 0477



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)
- ART-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-3	152.90
CDW-7	155.26
CDW-9	151.93
CDW-10	152.12
CDW-11	150.97
CDW-12	151.96
CDW-14	153.13
CDW-15	150.60
CDW-17	157.16
CDW-18S	151.27S
CDW-18D	152.08D
GZ-2	154.91
GZ-4	151.75
GZ-4R	151.09
GZ-5S	152.59
GZ-5D	153.06
GZ-6	156.29
GZ-7	155.95
GZA-13	156.68
GZA-14S	151.62
GZA-14M	151.50
GZA-15S	150.34
GZA-15D	151.11
GZA-15R	151.17
GZA-16M	151.80
GZA-17M	151.82
GZA-19DD	152.33
PZ-3S	150.41
PZ3D	150.61
ERM-12D	155.63
WMW-1S	155.78
WMW-2S	157.64
WMW-2D	156.54
WMW-3	157.47
WMW-4	157.14
WMW-5	156.85
WMW-6	154.81
WMW-7	156.20
WMW-8S	152.69
WMW-8D	151.46
RW-1	149.89
RW-2	136.83
RW-3	147.62
RW-4	151.32
RW-5S	151.72
RW-5D	150.64
RW-7	152.54

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: 4/5/07	FILE: FIGURE 8	DRAWN BY: JAS
SCALE: 1" = 120'		JOB #: 04-E-005
GENERAL CHEMICAL CORPORATION 133-135 LELAND STREET, FRAMINGHAM, MASSACHUSETTS		
FIGURE 8: 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)
- RECHARGE TRENCH (INSTALLED BY WEB)
- 10 TOTAL (DISSOLVED) VOLATILE ORGANIC COMPOUNDS (TVOC) IN PPB POST-TREATMENT SYSTEM START-UP (SEPTEMBER, 2005)
- (10) TOTAL (DISSOLVED) VOLATILE ORGANIC COMPOUNDS (TVOC) IN PPB PRE-TREATMENT SYSTEM START-UP (PRIOR TO JUNE, 2005)

TOTAL VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER/SURFACE WATER POST-TREATMENT SYSTEM START-UP (AUGUST - OCTOBER 2006)

WELL ID	TOTAL VOCS
GZ-1	NT
GZ-2	ND
GZ-5S	55.3
GZ-7	260.0
GZ-7R	209.0
GZ-14S	99.0
GZ-14M	18,260.0
GZ-15S	ND
GZ-15D	ND
GZ-15R	ND
GZ-19DD	136,630.0
PZ-1S	NT
PZ-2S	NT
WMW-1S	875.0
WMW-2S	640.0
WMW-2D	420.0
WMW-3	243.0
WMW-4	24,990.0
WMW-5	70,800.0
WMW-6	115,000.0
WMW-7	677.0
WMW-8S	7,040.0
WMW-8D	146,000.0
RW-1	61,210.0
RW-2	59,240.0
RW-3	227,900.0
RW-4	65,420.0
RW-5S	NT
RW-5D	NT
RW-6	NT
RW-7	NT
SW-3	1,519.0
SW-10	749.0
SW-DSC-1	5.0
SW-USA-1	ND

NT = NOT TESTED
ND = NOT DETECTED

TOTAL VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER/SURFACE WATER PRE-TREATMENT SYSTEM START-UP (JUNE / JULY 2005)

WELL ID	TOTAL VOCS
GZ-1	(958)
GZ-2	(41.8)
GZ-5S	(94.0)
GZ-7	(54.0)
GZ-7R	(38.0)
GZ-14S	(240.0)
GZ-14M	(20,140.0)
GZ-15S	(ND)
GZ-15D	(ND)
GZ-15R	(ND)
GZ-19DD	(134,010.0)
PZ-1S	(2.0)
PZ-2S	(268.0)
SW-3	(ND)
SW-10	(1,395.0)
SW-DSC-1	(ND)
SW-USA-1	(ND)

- LESS THAN 100 PPB
- 100 - 1,000 PPB
- 1,000 - 10,000 PPB
- 10,000 - 100,000 PPB
- GREATER THAN 100,000 PPB

SCALE 0 60' 120' 180'

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

DATE: 3/4/07	FILE: FIGURE 9	DRAWN BY: JAS
SCALE: 1" = 120'		JOB #: 04-E-005

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

FIGURE 9: GROUNDWATER/SURFACE WATER PLUME DELINEATION MAP
TOTAL DISSOLVED VOLATILE ORGANIC COMPOUNDS PRE/POST TREATMENT SYSTEM START UP

DRAWING No: 0405

TABLES

TABLE 1: GROUNDWATER MONITOR WELL AND HYDROGEOLOGIC DATA (through December, 2006)

WELL ID	INSTALLATION DATE	TOTAL DEPTH/ SCREENED INTERVAL (ft) (strata)	WELL ELEVATION (ft)	DEPTH TO WELL BOTTOM (ft)	DEPTH TO LNAPL/DNAPL (ft)	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 Detected	4.75	152.90	
CDW – 4	Unknown	Unknown/2-7	158.21	6.70	-	Not Gauged	-	Dry Well @ 5.20'
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 Detected	3.16	155.26	
CDW – 9	Unknown	Unknown	155.25	7.40	Not Detected	3.32	151.93	
CDW – 10	Unknown	Unknown	153.12	11.00	Not Detected	1.00	152.12	
CDW – 11	Unknown	Unknown	152.99	11.30	Not Detected	2.02	150.97	
CDW – 12	Unknown	Unknown/10-20	154.20	19.90	Not Detected	2.24	151.96	
CDW – 13	Unknown	Unknown	161.15	14.70	-	Not Gauged	-	
CDW – 14	Unknown	Unknown/2-20	158.10	11.60	Not Detected	4.97	153.13	
CDW – 15	Unknown	Unknown/2-12	154.62	11.20	Not Detected	4.02	150.60	
CDW – 17	Unknown	Unknown	160.03	11.90	Not Detected	2.87	157.16	
CDW – 18S	Unknown	Unknown/2-6	153.57	5.50	Not Detected	2.30	151.27	
CDW – 18D	Unknown	Unknown/4-9	153.78	8.90	Not Detected	1.70	152.08	
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 (till)	159.66	70.00	-	Not Gauged	-	Well destroyed
GZ – 2	12.29.99	69/62-69 (silt)	161.18	62.70	Not Detected	6.27	154.91	
GZ – 3	01.06.00	54/47-54 (silt, till)	160.10	49.00	-	Not Gauged	-	Well Damaged
GZ – 4	01.06.00	39/27-37 (sd, sdy silt)	158.84	36.20	Not Detected	7.09	151.75	
GZ – 4R	01.18.00	63/58-63 (bedrock)	158.65	62.70	Not Detected	7.56	151.09	
GZ – 5S	12.28.99	18/2.5-17.5 (fill,all)	156.12	15.00	Not Detected	3.53	152.59	
GZ – 5D	12.28.99	44/34-44 (till)	156.07	40.10	Not Detected	3.01	153.06	
GZ – 6	12.27.99	22/10-20 (sand)	165.42	19.30	Not Detected	9.13	156..29	
GZ – 7	12.21.99	43/38-43 (till)	161.40	43.20	Not Detected	5.45	155.95	
GZ – 7R	01.03.00	97/92-97 (bedrock)	161.74	95.70	Not Detected	9.01	152.73	
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 Detected	3.07	156.68	

TABLE 1: GROUNDWATER MONITOR WELL AND HYDROGEOLOGIC DATA (through December, 2006)

WELL ID	INSTALLATION DATE	TOTAL DEPTH/ SCREENED INTERVAL (ft) (strata)	WELL ELEVATION (ft)	DEPTH TO WELL BOTTOM (ft)	DEPTH TO NAPL/DNAPL (ft)	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	3.73	151.62	
GZA – 14M	03.27.01	79/67-77 (sand,till)	155.35	78.00	Not Detected	3.85	151.50	
GZA – 15S	04.18.01	14/4-14 (sand)	156.47	14.00	Not Detected	6.13	150.34	
GZA – 15D	04.17.01	34/19-34 (till)	156.68	34.00	Not Detected	5.57	151.11	
GZA – 15R	04.13.01	53/48-53 (bedrock)	156.51	53.00	Not Detected	5.34	151.17	
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 Detected	6.97	151.80	
GZA – 17S	04.04.01	14/4-14 (sand)	158.18	14.00	Not Detected	7.39	150.79	
GZA – 17M	04.03.01	51/40-50 (clyslt,till)	158.06	50.00	Not Detected	6.24	151.82	
GZA – 18S	04.09.01	14/4-14 (silty sand)	158.35	14.00	Not Detected	6.58	151.77	
GZA – 18M	04.05.01	46.5/35-45.5 (clyslt,till)	158.31	45.50	Not Detected	4.42	153.89	
GZA – 19DD	04.19.01	54/38-48 (clyslt)	154.15	48.00	Not Detected	2.15	152.33	
GZA – 19S	Unknown	Unknown	Not Measured	Not Measured	Not Detected	1.29	-	
GZA – 19D	Unknown	Unknown	Not Measured	Not Measured	Not Detected	3.95	-	
EW – 1	04.26.01	57/10-46 (sd, slty sd)	159.07	45.10	-	Not Gauged	-	
EW – PZ – 1	05.02.01	45/25-45 (sd, slty sd)	156.85	45.00	Not Detected	1.20	155.65	
EW – PZ – 2S	05.02.01	18/3-18 (sd, slty sd)	158.37	18.00	-	Not Gauged	-	
EW – PZ – 2D	05.02.01	43/23-38 (sd, slty sd)	158.52	43.00	-	Not Gauged	-	
PZ – 1S	Unknown	Unknown	153.03	10.90	-	Not Gauged	-	
PZ – 1D	Unknown	Unknown	154.34	20.90	-	Not Gauged	-	
PZ – 2S	Unknown	Unknown	154.29	10.60	-	Not Gauged	-	
PZ – 2D	Unknown	Unknown	154.72	15.30	-	Not Gauged	-	
PZ – 3S	Unknown	Unknown/8-10	154.02	9.80	Not Detected	3.61	150.41	
PZ – 3D	12.17.99	20/18-20 (sand)	154.06	20.10	Not Detected	3.45	150.61	
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 Detected	3.94	157.23	
ERM – 12D	Unknown	Unknown/38-48	160.32	5.70	Not Detected	4.69	155.63	
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: GROUNDWATER MONITOR WELL AND HYDROGEOLOGIC DATA (through December, 2006)

WELL ID	INSTALLATION DATE	TOTAL DEPTH/ SCREENED INTERVAL (ft) (strata)	WELL ELEVATION (ft)	DEPTH TO WELL BOTTOM (ft)	DEPTH TO NAPL/DNAPL (ft)	DEPTH TO GROUNDWATER (ft)	GROUNDWATER ELEVATION (ft)	OBSERVATIONS
WMW – 1S	08.19.05	40/5-40	158.97	13.9	Not Detected	3.19	155.78	2" Well
WMW – 2S	08.19.05	15/5-15	161.55	14.4	Not Detected	3.91	157.64	2" Well
WMW – 2D	12.05.05	45/15-45	161.38	39.35	Not Detected	4.84	156.54	2" Well
WMW – 3	12.07.05	20/10-20	164.14	19.54	Not Detected	6.67	157.47	2" Well
WMW – 4	September 2005	15/5-15	162.34	13.9	Not Detected	5.20	157.14	2" Well
WMW – 5	September 2005	15/5-15	163.19	14.28	Not Detected	6.34	156.85	2" Well
WMW – 6	September 2005	40/10-40	160.02	34.25	Not Detected	5.21	154.81	2" Well
WMW – 7	September 2005	15/5-15	161.12	14.25	Not Detected	4.92	156.20	2" Well
WMW – 8S	September 2005	15/5-15	155.70	22.0	Not Detected	3.01	152.69	2" Well
WMW – 8D	September 2005	55/45-55	155.79	53.7	Not Detected	4.33	151.46	2" Well
RW – 1	08.17.05	40/5-40	Not Measured	40.0	Not Detected	3.47	-	6" Well
RW – 2	09.02.05	40/5-40	158.79	40.0	Not Detected	8.90	149.89	6" Well
RW – 3	09.01.05	40/5-40	160.63	40.0	Not Detected	23.80	136.83	6" Well
RW – 4	09.01.05	40/5-40	159.35	40.0	Not Detected	11.73	147.62	6" Well
RW – 5S	10.16.06	30/10-30	152.46	30.0	Not Detected	1.14	151.32	6" Well
RW – 5D	10.16.06	40/20-40	152.90	40.0	Not Detected	1.18	151.72	6" Well
RW – 6	12.07.05	40/10-40 (silty sd/slt)	153.40	40.0	Not Detected	2.76	150.64	6" Well
RW – 7	06.05.06	40/10-40 (silty sd/slt)	154.33	40.0	Not Detected	1.79	152.54	6" Well
IW – 1	08.16.05	40/5-35	Not Measured	40.0	-	Not Gauged	-	2" Well
IW – 2	08.16.05	20/10-20	Not Measured	20.0	-	Not Gauged	-	2" Well
IW – 3	08.17.05	40/5-35	Not Measured	40.0	-	Not Gauged	-	2" Well
IW – 4	08.15.05	20/10-20	Not Measured	20.0	-	Not Gauged	-	2" Well
IW – 5	12.05.05	40/10-40	Not Measured	40.0	Not Detected	3.39		2" Well
IW – 6	12.07.05	40/10-30	Not Measured	40.0	-	Not Gauged	-	2" Well
Galley # 1	08.08.05	N/A	159.31	N/A	-	Not Gauged	-	-
Galley # 2	08.08.05	N/A	161.52	N/A	-	Not Gauged	-	-

TABLE 2: GROUNDWATER TREATMENT SYSTEM – ONSITE WAREHOUSE AREA – OPERATION AND MAINTENANCE LOG

		SYSTEM INFLOW DATA								SYSTEM PRESSURE		SYSTEM OUTFLOW DATA											
		RECOVERY WELL RW – 1		RECOVERY WELL RW – 2		RECOVERY WELL RW – 3		RECOVERY WELL RW – 4				Injection Galley G-1		Injection Galley G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3		Injection Well IW-4	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Bag Filter	Carbon	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)
10.27.05	1415	3.03	0	3.04	0	Off	0	3.18								Off		Off		Off		Off	0
10.27.05	1615	Off		Off		Off		Off															
10.28.05	0715	3.06		3.08		Off		3.10								Off		Off		Off		Off	
10.28.05	0330	Off		Off		Off		Off															
10.31.05	0230	3.22		3.25		Off		3.18								Off		Off		Off		Off	
10.31.05	0320	Off		Off		Off		Off															
11.01.05	0655	3.06	1,382	3.20	1,381	Off		3.21	1,156	4-5-5-5	14-12	14.70				Off		Off		Off		Off	
11.01.05	1530	Off		Off		Off		Off															
11.02.05	0655	3.03	2,905	3.13	2,933	Off		3.18	2,628							Off		Off		Off		Off	
11.02.05	0320	Off		Off		Off		Off															
11.03.05	0640	3.31	4,424	3.34	4,407	Off		3.14	4,152							Off		Off		Off		Off	
11.03.05	1500	Off		Off		Off		Off															
11.04.05	0655	3.17	5,807	3.23	5,566	Off		3.49	4,317	7-8-8-8	25-22	10.00		9.84		Off		Off		Off		Off	
11.04.05	1545	Off		Off		Off		Off															
11.07.05	0655	3.17	7,257	3.14	7,177	Off		3.27	6,092	7-7-7-7	26-23	10.41		10.22		Off		Off		Off		Off	
11.07.05	1500	Off				Off		Off															
11.08.05	1030	3.13	8,776	3.13	8,670	Off		3.30	7,666							Off		Off		Off		Off	
11.09.05	0700	3.10	12,472	3.04	12,320	Off		3.21	11,602	7-7-7-7	25-22	10.29		9.92		Off		Off		Off		Off	
11.10.05	0700	Off	16,757	3.11	16,523	Off		3.23	15,908	7-7-7-7	26-23	10.29		9.96		Off		Off		Off		Off	
11.11.05	0830	Off		2.97	20,814	Off		3.15	19,685	7-7-7-7	25-22	10.24		9.90		Off		Off		Off		Off	
11.11.05	1505	Off		Off	21,809	Off		Off	20,826														
11.14.05	0700	Off		3.09	21,909	Off		3.28	20,826							Off		Off		Off		Off	
11.16.05	0650	3.12	16,804	2.97	30,013	Off		3.25	30,186	7-8-8-8	25-22	10.34	47,068	9.87	31,604	Off		Off		Off		Off	
11.16.05	1540	3.08	18,236	3.06	31,455	Off		3.11	31,786				49,512		33,866	Off		Off		Off		Off	
11.17.05	0630	3.06	20,793	3.00	34,017	Off		3.11	34,349	8-8-8-8			533,840		37,939	Off		Off		Off		Off	
11.18.05	1310	Off		2.95	39,168	Off	0	3.13	39,499			10.01	59,466	9.58	43,345	Off		Off		Off		Off	
11.18.05	1540	Off		2.95	39,504	Off		3.13	39,836				59,744		43,612	Off		Off		Off		Off	
11.21.05	0715	Off	20,848	2.97	50,307	Off		3.21	51,744	13-14-14-14			70,925		54,654	Off		Off		Off		Off	
11.22.05	0645	Off		3.00	54,314	Off		3.27	56,162	15-15-15-15	25-20	9.82	75,175	9.38	58,903	Off		Off		Off		Off	
11.23.05	0650	Off		Off	58,369	Off		Off	60,191														
11.28.05	0700	Off		3.11	58,359	Off		3.37	60,191							Off		Off		Off		Off	
11.30.05	0700	Off		Off	66,074	Off		Off	68,579	21-22-22-22x			87,248		70,888	Off		Off		Off		Off	
12.02.05	0750	Off	20,859	3.07	86,088	Off		3.37	88,802	6-6-6-6	25-20	10.46	87,705	9.57	71,346	Off		Off		Off		Off	
12.05.05	0715	Off		3.15	74,109	Off		3.46	80,890	6-6-6-6	26-20	10.14	100,578	9.30	83,787	Off		Off		Off		Off	
12.06.05	0715	Off		3.16	76,825	Off		3.53	84,965	6-6-7-7			105,031		87,667	Off		Off		Off		Off	
12.07.05	0645	Off		3.18	79,476	Off		3.56	88,985	6-7-7-7	26-19	9.87	109,448	9.08	91,292	Off		Off		Off		Off	
12.08.05	0715	Off		3.20	82,237	Off		3.65	93,345	9-10-10-10	26-17	9.54	114,350	8.74	95,267	Off		Off		Off		Off	
12.09.05	0845	Off		3.31	85,046	Off		3.74	98,124	20-20-20-20x		9.84	119,299	8.83	99,307	Off		Off		Off		Off	
12.12.05	0710	Off		3.14	92,428	Off		3.77	110,888	6-6-8-6			132,486		110,128	Off		Off		Off		Off	
12.13.05	0715	Off		3.09	95,138	Off		3.74	115,226	7-7-7-7	29-17	9.59	137,455	8.70	114,002	Off		Off		Off		Off	
12.14.05	0615	Off		3.06	97,826	Off		3.74	119,266	8-8-9-9	29-17	9.49	142,358	8.58	117,871	Off		Off		Off		Off	
12.15.05	0710	Off		3.02	100,546	Off		3.77	123,882	10-10-11-11			147,281		121,802	Off		Off		Off		Off	
12.16.05	0650	Off		3.00	103,242	Off		3.65	127,680	13-13-13-13x	29-16	9.22	152,357	8.34	125,959	Off		Off		Off		Off	
12.19.05	0700	Off		3.18	111,248	Off		3.60	138,090	7-7-7-7	29-13	8.41	167,717	7.54	139,366	Off		Off		Off		Off	
12.20.05	0900	Off		3.11	114,174	Off		3.66	141,510	7-7-7-7	29-13	8.25	172,454	7.40	144,368	Off		Off		Off		Off	
12.21.05	0615	Off		3.06	116,666	Off		3.69	144,904	8-7-7-7	29-13		177,018		148,450	Off		Off		Off		Off	
12.22.05	0650	Off		3.00	119,302	Off		3.58	147,948				182,111		152,991	Off		Off		Off		Off	
12.23.05	1330	Off		Off	122,780	Off		Off	151,579	11-11-12-12	30-11		188,614		158,809	Off		Off		Off		Off	
12.27.05	0900	Off		3.25	122,780	Off		3.46	151,579	13-13-13-14			188,614		158,809	Off		Off		Off		Off	
12.28.05	0615	Off		3.32	125,242	Off	0	3.44	154,042	20-20-20-20 x	30-10	7.50	194,532	6.63	164,047	Off		Off		Off		Off	0

TABLE 2 (continued): GROUNDWATER TREATMENT SYSTEM – ONSITE WAREHOUSE AREA – OPERATION AND MAINTENANCE LOG

		SYSTEM INFLOW DATA								SYSTEM PRESSURE		SYSTEM OUTFLOW DATA											
		RECOVERY WELL RW-1		RECOVERY WELL RW-2		RECOVERY WELL RW-3		RECOVERY WELL RW-4		Bag Filter	Carbon	Injection Galley G-1		Injection Galley G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3		Injection Well IW-4	
Date	Time	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (psi)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)
12.29.05	0830	Off	21,023	3.23	127,989	Off		3.35	156,789	6-6-6-6	30-10	7.37	200,219	6.53	169,071	Off		Off		Off		Off	0
12.30.05	0935	Off		3.27	130,809	Off		3.26	159,609				205,884		174,119	Off		Off		Off		Off	
01.03.06	0740	Off		3.38	149,045	Off		3.07	170,196	7-7-7-7			226,962		192,799	Off		Off		Off		Off	
01.04.06	0755	Off		3.34	153,809	Off		3.11	174,175		37-8	4.59	232,305	0/clog	196,641	Off		Off		Off		Off	
01.06.06	0650	Off		3.23	162,778	Off		2.92	182,587	10-10-10-10	35-6	0/clog	232,354	7.76	205,959	Off		Off		Off		Off	
01.09.06	0700	Off		3.21	176,486	Off		3.42	197,027	15-15-15-15	31-11	6.40	247,604	7.32	223,336	Off		Off		Off		Off	
01.10.06	0810	Off		3.27	180,974	Off		3.56	201,800	17-17-17-17x	32-12	6.75	252,617	7.38	228,959	Off		Off		Off		Off	
01.11.06	0655	Off		3.23	185,263	Off		3.44	206,521	8-8-8-8	32-11	6.45	257,375	7.27	234,294	Off		Off		Off		Off	
01.12.06	0645	Off		3.27	189,841	Off		3.49	211,439	8-8-8-8	32-12	6.55	262,670	7.11	240,153	Off		Off		Off		Off	
01.13.06	0705	Off		3.27	194,433	Off	0	3.39	216,326	9-8-8-8			268,007		245,949	Off		Off		Off		Off	
01.16.06	0730	Off	21,023	3.25	208,196	Off		3.35	230,726	13-13-13-13	32-12	6.89	284,894	6.82	263,189	Off		Off		Off		Off	
01.17.06	0750	Off		3.28	212,815	Off		3.41	235,578	15-15-15-15x	32-12	6.96	290,487	6.84	268,712	Off		Off		Off		Off	
01.18.06	0615	Off		3.21	217,192	Off		3.42	240,121	8-8-8-8	32-12	6.98	296,008	6.66	274,105	Off		Off		Off		Off	
01.20.06	0640	Off		3.25	226,285	Off		3.28	249,639	8-8-8-8	32-12		307,949		284,975	Off		Off		Off		Off	
01.23.06	0650	Off		3.28	240,111	Off		3.44	263,919	10-10-10-10	32-13	7.28	325,893	6.40	301,032	Off		Off		Off		Off	
01.24.06	0615	Off		3.31	244,789	Off		3.52	268,861	15-15-15-15x	32-13	7.48	331,995	6.75	306,513	Off		Off		Off		Off	
01.25.06	0715	Off		3.70	249,826	Off		3.58	273,847	8-8-8-8	32-13		338,450		312,247	Off		Off		Off		Off	
01.26.06	0700	Off		3.76	256,151	Off		3.62	278,863	8-8-8-8	32-12		345,069		317,898	Off		Off		Off		Off	
01.27.06	0650	Off	21,023	3.79	260,618	Off	0	3.67	284,149	9-9-9-9	32-14	7.65	352,059	6.46	232,822	Off		Off		Off		Off	
01.30.06	0710	Off		3.77	278,711	Off		3.49	299,513	13-13-13-12x	32-14	7.94	372,162	6.39	340,383	Off		Off		Off		Off	
01.31.06	0705	Off		3.79	281,947	Off		3.51	304,312	8-8-8-8	32-14	8.09	379,314	6.32	345,995	Off		Off		Off		Off	
02.01.06	0655	Off		3.74	287,241	Off		3.58	309,196	9-8-8-8	32-14	8.21	386,589	6.25	351,552	Off		Off		Off		Off	
02.02.06	0630	Off		3.72	292,331	Off		3.80	314,169	9-9-9-9			393,912		357,009	Off		Off		Off		Off	
02.03.06	0700	Off		3.67	297,617	Off		3.63	319,339	10-10-10-10	32-14	8.36	401,470	6.23	362,626	Off		Off		Off		Off	
02.06.06	0705	Off		3.79	297,713	Off		3.74	334,521	15-15-15-15x			414,103		371,836	Off		Off		Off		Off	
02.07.06	0620	Off	21,023	3.65	302,655	Off	0	3.72	339,449	8-8-7-7	32-14	8.55	421,615	6.34	377,290	Off		Off		Off		Off	
02.08.06	0555	Off		3.65	307,840	Off		3.74	344,661	8-8-8-7	32-14		429,446		382,959	Off		Off		Off		Off	
02.09.06	0640	Off		3.65	312,887	Off		3.72	349,700	9-9-8-8	33-15	8.67	437,077	6.30	388,472	Off		Off		Off		Off	
02.10.06	0615	Off		3.55	317,933	Off		3.75	354,765	10-9-9-9	33-15	8.68	445,137	6.25	394,208	Off		Off		Off		Off	
02.13.06	0705	Off		3.58	333,111	Off		3.73	370,983	12-12-12-12x	34-15	9.09	468,746	6.44	411,261	Off		Off		Off		Off	
02.14.06	0715	Off		2.93	337,112	Off		3.02	374,987	8-8-8-8	34-15		476,222		416,537	Off		Off		Off		Off	
02.15.06	0640	Off		2.95	341,105	Off		3.04	379,033	9-8-8-7	34-16	9.22	482,866	6.32	421,104	Off		Off		Off		Off	
02.16.06	0645	Off		2.99	345,158	Off		3.09	383,337	9-8-8-7			489,850		425,781	Off		Off		Off		Off	
02.17.06	0715	Off		2.98	349,266	Off		3.11	387,788	8-8-8-8	34-16	9.41	497,103	6.21	430,579	Off		Off		Off		Off	
02.21.06	0730	Off		3.35	367,920	Off		3.23	405,919	11-11-11-10	35-17	9.74	528,746	6.02	450,811	Off		Off		Off		Off	
02.22.06	0715	Off		3.35	372,584	Off		3.27	409,749	12-12-12-12x	35-22	7.26	535,189	6.80	458,840	Off		Off		Off		Off	
02.23.06	0710	Off		3.35	377,366	Off		3.28	414,224	7-7-6-6	36-22	7.37	541,842	6.66	463,079	Off		Off		Off		Off	
02.24.06	0705	Off		3.32	381,975	Off		3.27	418,569				548,630		469,330	Off		Off		Off		Off	
02.27.06	0645	Off		3.44	396,133	Off		3.16	431,717	9-8-8-7	36-23	7.76	570,261	6.21	487,512	Off		Off		Off		Off	
02.28.06	0655	Off		3.39	400,831	Off		3.06	435,938	9-9-9-8			577,518		493,414	Off		Off		Off		Off	
03.01.06	0710	Off		3.44	405,613	Off		2.95	440,074	10-10-9-8	36-24	7.96	584,994	6.09	499,410	Off		Off		Off		Off	
03.02.06	0650	Off	21,023	3.35	410,277	Off	0	2.84	444,072	11-10-10-9	36-24	8.03	592,401	6.01	505,061	Off		Off		Off		Off	
03.03.06	0645	Off		3.32	414,970	Off		2.87	447,948	12-11-10-10x	36-24	8.04	600,080	5.90	510,717	Off		Off		Off		Off	
03.06.06	0700	Off		3.28	428,951	Off		2.74	459,305	8-8-7-6			625,195		528,579	Off		Off		Off		Off	
03.07.06	0700	Off		3.27	433,371	Off		2.67	462,879	8-8-7-6	36-25	8.26	633,276	5.56	534,022	Off		Off		Off		Off	
03.08.06	0650	Off		3.30	437,833	Off		2.72	466,605	9-9-8-7	36-25	8.33	641,530	5.47	539,369	Off		Off		Off		Off	
03.09.06	0710	Off		3.28	442,377	Off		2.69	470,329	10-10-9-7x	36-25	8.36	649,723	5.38	544,651	Off		Off		Off		Off	
03.10.06	0715	Off		3.25	442,420	Off		2.72	470,364				650,774		545,321	Off		Off		Off		Off	
03.13.06	0650	Off	21,023	2.92	455,417	Off	0	2.65	481,414	8-7-7-6	37-26	8.78	677,554	5.19	561,698	Off		Off		Off		Off	0

TABLE 2 (continued): GROUNDWATER TREATMENT SYSTEM – ONSTITE WAREHOUSE AREA – OPERATION AND MAINTENANCE LOG

		SYSTEM INFLOW DATA								SYSTEM PRESSURE		SYSTEM OUTFLOW DATA											
		RECOVERY WELL RW – 1		RECOVERY WELL RW – 2		RECOVERY WELL RW – 3		RECOVERY WELL RW – 4				Injection Galley G-1		Injection Galley G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3		Injection Well IW-4	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Bag Filter	Carbon	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	Flow Rate (gpm)	Total Flow (gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)
03.14.06	0705	Off		2.97	459,513	Off	0	2.70	485,169	8-8-7-7	37-28	8.83	686,727	5.03	566,847	Off		Off		Off		Off	0
03.15.06	1300	SYSTEM OFF FOR PIPING AND PUMP MAINTENANCE																					
03.16.06	0715	Off		3.13	463,238	Off		2.72	488,365	13-13-13-13	37-28	8.79	694,825	5.06	571,436	Off		Off		Off		Off	
03.17.06	0655	Off		3.06	467,696	Off		3.28	492,176	17-17-17-17x	37-28	8.50	704,317	4.77	576,762	Off		Off		Off		Off	
03.20.06	0650	Off		3.07	480,611	Off	0	3.35	506,154	17-17-17-17	37-26		735,109		591,669	Off		Off		Off		Off	
03.21.06	0700	SYSTEM OFF TO CHANGE GRANULAR ACTIVATED CARBON IN CARBON VESSEL # 1																					
03.22.06	0645	Off		2.88	482,714	2.90	199	2.95	508,413	17-17-17-17	36-35	9.86	740,280	4.88	593,970	Off		Off		Off		Off	
03.23.06	0610	Off	21,023	2.90	485,801	3.02	496	2.97	511,555	17-18-18-17	36-35	9.54	750,322	4.96	598,916	Off		Off		Off		Off	
03.24.06	0615	Off		2.84	487,160	2.88	1,926	2.92	513,005	17-18-18-17x			755,412		601,461	Off		Off		Off		Off	
03.27.06	0640	Off		2.72	497,822	3.21	2,745	2.93	523,960	4 in/6 out	36-35	9.49	790,957	5.10	619,272	Off		Off		Off		Off	
03.28.06	0640	Off		2.79	501,414	3.14	4,452	2.93	527,694	4 in/6 out	36-34	5.11	799,873	5.05	625,939	Off		Off		1.81	2,557	Off	
03.29.06	0630	Off		2.76	504,684	3.23	5,221	2.99	531,259	4 in/6 out	37-33	5.08	804,704	4.96	632,771	Off		Off		1.76	5,108	Off	
03.30.06	0700	Off	21,023	2.79	508,074	3.00	6,567	3.06	534,955	4 in/6 out	37-32	5.01	811,413	4.88	639,515	Off		Off		1.74	7,529	Off	
03.31.06	0615	Off	21,023	2.79	511,804	Off	7,244	3.11	539,098	5 in/6 out	38-32		816,733		644,812	Off		Off			9,359	Off	
04.03.06	0700	Off		2.90	521,782	2.98	8,054	3.13	549,975	5 in/6 out	48-37	4.37	834,137	5.71	667,821	Off		Off		1.74	16,002	Off	
04.04.06	0615	Off		2.92	524,974	2.94	8,175	3.07	553,641	5 in/6 out	49-36	4.30	840,252	5.61	675,826	Off		Off		1.71	18,082	Off	
04.05.06	0710	Off		2.97	528,094	2.97	8,175	3.20	557,284	5 in/6 out	51-35	4.18	846,079	5.62	683,262	Off		Off		1.66	20,100	Off	
04.06.06	0700	Off		2.77	531,318	3.05	8,192	3.27	560,858	5 in/6 out	52-35	4.04	851,445	5.31	690,639	Off		Off		1.61	22,122	Off	
04.07.06	0640	Off		2.79	533,992	3.02	8,192	3.35	564,337	5 in/6 out	54-31	3.92	856,827	5.19	698,040	Off		Off		1.57	24,141	Off	
04.10.06	0615	Off		2.86	542,895	3.00	8,192	3.14	571,966	7 in/6 out	51-35	4.14	871,992	5.69	718,356	Off		Off		1.65	30,203	Off	
04.11.06	0645	Off	21,023	2.70	545,820	3.03	8,192	3.20	575,263	7 in/6 out	54-32	3.33	877,012	4.41	725,251	Off		Off		1.59	32,246	Off	
04.12.06	0615	SYSTEM OFF FOR MAINTENANCE																					
04.20.06	0730	Off		2.67		2.99		3.20		6 in/5 out	37-33	5.73	0	3.35	0	Off		Off		1.25	0	Off	0
04.21.06	0815	Off		2.67	549,776	2.87	8,581	3.20	580,251	6 in/5 out	37-32	5.63	7,178	3.37	4,361	Off		Off		1.39	1,745	Off	
04.24.06	0810	Off		2.74	559,945	2.92	20,908	3.27	592,475	6 in/5 out	39-31	5.51	27,176	3.35	16,699	Off		Off		1.25	6,624	Off	
04.25.06	1330	Off		2.70	564,017	2.90	25,793	3.32	598,152	6 in/5 out	40-30	5.42	35,030	3.30	21,300	Off		Off		1.23	8,470	Off	
04.26.06	1305	Off		Off		2.88	29,274	Off		6 in/5 out	45-38	Off		3.70	24,212	Off		Off		1.39	9,618	Off	
04.28.06	1415	Off		Off		2.86	38,148	Off		6 in/5 out	44-37	Off		3.69	31,591	Off		Off		1.45	12,565	Off	
05.01.06	1415	Off		Off		2.88	50,139	Off		6 in/5 out	44-38	Off		3.97	41,680	Off		Off		1.48	16,614	Off	
05.02.06	1415	Off		Off		2.86	54,331	Off		6 in/5 out	44-37	Off		4.05	45,244	Off		Off		1.51	17,948	Off	
05.03.06	1415	Off		Off		2.85	58,267	Off		6 in/5 out	44-38	Off		4.12	48,788	Off		Off		1.52	19,275	Off	
05.04.06	1345	Off		Off		2.85	62,214	Off		6 in/4 out	44-37	Off		4.14	52,297	Off		Off		1.53	20,588	Off	
05.05.06	1530	Off	21,023	Off	584,048	2.83	66,210	Off	598,194	6 in/4 out	44-37	Off		4.18	56,126	Off		Off		1.51	22,022	Off	
05.08.06	0900	Off		Off		2.86	73,469	Off		6 in/4 out	42-36	Off		4.35	65,730	Off		Off		1.52	25,260	Off	
05.09.06	0705	Off		Off		2.81	76,073	Off		6 in/4 out	44-37	Off		4.34	69,060	Off		Off		1.48	26,866	Off	
05.10.06	0910	Off		Off		2.81	79,050	Off		6 in/4 out	42-37	Off		4.63	72,871	Off		Off		1.41	28,274	Off	
05.11.06	0710	Off		Off		2.83	81,565	Off		6 in/4 out	40-34	Off		4.68	76,072	Off		Off		1.43	29,435	Off	
05.12.06	1535	Off		Off		2.83	85,102	Off		6 in/4 out	40-34	Off		4.86	80,497	Off		Off		1.39	31,017	Off	
05.15.06	0715	Off		Off		2.76	92,324	Off		6 in/4 out	40-34	Off		5.24	89,715	Off		Off		1.39	33,823	Off	
05.16.06	0800	Off		Off		2.70	95,066	Off		6 in/4 out	40-34	Off		5.24	93,248	Off		Off		1.47	34,703	Off	
05.17.06	0815	Off		Off		2.74	97,783	Off		6 in/4 out	40-35	Off		5.22	96,662	Off		Off		1.45	35,560	Off	
05.18.06	1330	Off		Off		2.74	101,037	Off		6 in/4 out	40-34	Off		5.00	100,839	Off		Off		1.48	36,800	Off	
05.19.06	1545	Off		Off		2.76	104,034	Off		6 in/4 out	40-34	Off		5.08	104,674	Off		Off		1.45	37,559	Off	
05.22.06	1210	Off		Off		2.74	111,850	Off		6 in/4 out	40-34	Off		5.12	114,648	Off		Off		1.42	40,052	Off	
05.23.06	1405	Off		Off		2.76	114,706	Off		6 in/4 out	40-34	Off		5.12	118,257	Off		Off		1.50	40,955	Off	
05.24.06	0715	Off		Off		2.77	116,662	Off		6 in/4 out	40-35	Off		5.12	120,695	Off		Off		1.43	41,565	Off	
05.25.06	0815	Off	21,023	Off	564,048	2.76	119,403	Off	598,194	6 in/4 out	40-35	Off		5.12	124,122	Off		Off		1.45	42,421	Off	
05.26.06	0845	Off		Off		2.76	122,112	Off		6 in/4 out	40-35	Off		5.14	127,561	Off		Off		1.43	43,282	Off	
05.30.06	0900	Off		Off		2.76	133,651	Off		5 in/4 out	40-35	Off		5.16	144,249	Off		Off		1.36	46,646	Off	
05.31.06	0735	Off		Off		2.77	137,475	Off		5 in/4 out	39-34	Off		5.16	148,821	Off		Off		1.37	47,491	Off	0

TABLE 2 (continued): GROUNDWATER TREATMENT SYSTEM – ONSITE WAREHOUSE AREA – OPERATION AND MAINTENANCE LOG

		SYSTEM INFLOW DATA								SYSTEM PRESSURE		SYSTEM OUTFLOW DATA											
		RECOVERY WELL RW-1		RECOVERY WELL RW-2		RECOVERY WELL RW-3		RECOVERY WELL RW-4				Injection Gallery G-1		Injection Gallery G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3		Injection Well IW-4	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Bag Filter	Carbon	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)
06.01.06	0800	Off		Off		2.77	141,406	Off		5 in/4 out	39-34	Off		5.14	153,562	Off		Off		1.38	48,367	Off	0
06.02.06	0730	Off		2.77	564,048	2.74	145,227	3.32	598,194	5 in/4 out	40-34	5.51	35,092	5.19	158,119	Off		Off		1.30	49,201	Off	
06.05.06	0800	Off		2.23	572,895	2.67	156,816	3.13	610,440	3 in/4 out	40-34	5.42	52,192	5.06	174,193	Off		Off		1.27	52,617	Off	
06.06.06	0745	Off		2.42	575,476	2.67	160,504	3.13	614,464	3 in/4 out	43-30	5.16	57,947	4.36	179,142	Off		Off		1.10	53,743	Off	
06.07.06	0810	Off		2.46	578,901	2.63	164,276	3.14	618,566	5 in/4 out	45-28	5.04	63,902	4.36	184,578	Off		Off		1.03	54,754	Off	
06.08.06	0830	Off		2.60	582,318	2.63	168,033	3.16	622,668	8 in/4 out	46-25	4.71	69,070	3.98	189,787	Off		Off		1.48	56,873	Off	
06.09.06	0900	Off		2.60	585,766	2.63	171,824	3.18	626,804	18 in/4 out	49-23	4.54	74,098	3.79	194,825	Off		Off		1.41	57,230	Off	
06.12.06	0815	Off		2.74	595,211	2.58	181,956	2.76	636,060	84in/4 out x	45-25	4.87	87,726	4.07	207,882	Off		Off		1.54	61,025	Off	
06.13.06	0815	Off	21,023	2.70	598,514	2.93	185,929	2.76	641,384	5 in/4 out	50-21	4.47	92,745	3.77	212,726	Off		Off		1.41	62,279	Off	
06.14.06	0830	Off		2.51	598,841	2.58	188,308	2.79	641,634	5 in/4 out	48-24	4.78	93,292	4.04	213,217	Off		Off		1.45	62,416	Off	
06.15.06	0830	Off		2.63	602,131	2.56	189,886	2.65	645,543	8 in/4 out	49-23	4.75	98,336	4.04	218,260	Off		Off		1.79	63,676	Off	
06.16.06	0855	Off		2.71	605,570	2.62	193,647	2.69	649,404	13 in/4 out	50-23	4.87	103,600	4.30	223,525	Off		Off		1.97	65,296	Off	
06.19.06	0810	Off		2.69	615,159	2.59	203,084	2.67	658,805	21 in/4 out x	47-26	4.52	116,138	5.09	237,133	Off		Off		2.12	68,134	Off	
06.20.06	0745	Off											116,630		237,748	Off		Off			68,324	Off	
06.21.06	1040	Off		3.02	619,555	3.07	207,582	2.65	662,974	4 in/4 out	46-26	4.59	121,800	5.19	244,217	Off		Off		1.99	69,553	Off	
06.22.06	0845	Off		2.51	622,833	2.98	211,182	2.62	666,507	5 in/4 out	48-26	4.64	126,611	5.14	249,136	Off		Off		1.21	71,003	Off	
06.23.06	0855	Off		2.51	626,204	2.32	215,725	2.58	670,112	4 in/4 out	49-27	4.59	131,771	5.00	254,183	Off		Off		1.19	72,501	Off	
06.26.06	0935	Off		2.32	636,376	2.42	225,891	2.65	681,019	11 in/4 out	49-29	5.11	149,748	4.48	268,039	Off		Off		1.21	76,702	Off	
06.27.06	0820	Off	21,023	2.35	639,064	2.42	228,998	2.60	684,442	16 in/4 out x	50-29	4.78	155,562	3.81	272,337	Off		Off		1.27	78,083	Off	
06.28.06	1405	Off		2.37	642,640	2.47	233,156	2.69	689,095	5-4	50-30	4.89	163,226	4.07	278,208	Off		Off		1.36	80,020	Off	
06.29.06	1530	Off		2.16	645,480	2.46	236,575	2.58	692,666	5-4	50-30	4.76	169,440	3.81	282,686	Off		Off		1.36	81,736	Off	
06.30.06	1415	Off		2.28	648,004	2.51	239,761	2.63	695,899	5-4	51-31	4.83	175,127	3.95	288,883	Off		Off		1.45	83,346	Off	
07.05.06	1400	Off	21,023	2.25	648,025	1.91	252,780	2.70	695,725	6-4	48-31	5.42	185,792	4.05	294,778	Off		Off		1.21	85,942	Off	
07.06.06	0815	Off		2.23	650,138	2.70	255,504	2.69	698,440	7-4	46-30	5.26	190,763	4.08	298,701	Off		Off		1.23	86,759	Off	
07.07.06	1405	Off		2.17	653,531	2.70	259,894	2.65	702,621	7-4	47-30	4.94	198,547	3.86	303,765	Off		Off		1.17	88,062	Off	
07.10.06	0900	Off		2.19	662,124	2.70	269,537	2.56	711,004	18-4 x	50-30	4.68	215,089	3.91	315,398	Off		Off		1.37	91,971	Off	
07.11.06	0815	Off		2.70	665,386	2.76	273,252	2.58	713,940	5-4	51-30	4.32	221,149	3.30	320,279	Off		Off		1.38	93,739	Off	
07.12.06	1600	Off		2.70	669,737	2.96	277,785	2.69	717,944	5-4	54-31	4.30	229,100	2.71	325,744	Off		Off		1.19	95,872	Off	
07.13.06	1500	Off		2.70	672,962	2.92	280,365	2.58	720,960	6-4	41-38	5.49	235,454	4.39	330,882	Off		Off		1.39	97,533	Off	
07.14.06	1405	Off		2.65	676,258	3.02	283,023	2.59	724,280	6-4	41-37	5.49	242,043	3.97	335,926	Off		Off		1.50	99,178	Off	
07.17.06	0730	Off		2.65	685,410	2.65	293,472	2.67	734,069	7-4	41-36	5.35	255,535	3.94	345,959	Off		Off		1.42	102,506	Off	
07.18.06	1515	Off		2.67	690,217	2.85	297,906	0.00	734,069	8-4	41-37	5.75	262,228	4.05	350,778	Off		Off		1.34	104,701	Off	
07.19.06	1300	Off		2.69	693,741	3.11	301,845	2.62	734,069	13-4	42-38	6.00	266,695	4.16	353,939	Off		Off		1.21	104,994	Off	
07.20.06	0900	Off		2.67	696,548	2.70	304,790	2.58	737,089	18-4 x	41-37	6.05	272,560	4.18	358,046	Off		Off		1.25	105,934	Off	
07.21.06	0850	Off		2.72	699,773	2.69	308,362	2.60	740,613	5-4	41-38	6.14	279,328	4.30	362,746	Off		Off		1.01	106,918	Off	
07.24.06	0800	Off		2.70	709,976	2.76	319,613	2.63	751,582	5-4	41-38	5.92	300,105	5.02	378,783	Off		Off		0.22	108,822	Off	
07.25.06	0800	Off		2.72	713,291	2.79	323,665	2.70	755,225	5-4	41-38	5.87	306,777	5.00	384,496	Off		Off		1.37	109,919	Off	
07.26.06	0800	Off		2.62	716,684	2.85	327,652	2.72	759,057	8-4	42-38	5.87	313,610	5.16	390,578	Off		Off		1.34	111,043	Off	
07.27.06	1400	Off		2.63	721,004	2.88	332,794	2.72	763,953	7-4	43-39	5.81	322,415	5.17	398,241	Off		Off		1.25	112,481	Off	
07.28.06	0815	Off		2.67	723,515	2.90	335,806	2.89	766,784	13-4	43-39	5.78	327,684	5.08	402,922	Off		Off		1.21	113,342	Off	
07.31.06	0815	Off		2.70	732,803	2.81	345,458	2.46	774,936	21-4 x	43-40	5.96	346,824	4.63	418,570	Off		Off		0.64	114,954	Off	
08.01.06	1515	Off	21,023	2.65	736,933	2.72	349,849	2.46	777,751	5-4	40-36	5.33	355,545	5.21	426,074	Off		Off		1.43	116,529	Off	
08.02.06	0815	Off		2.67	739,365	2.79	352,587	2.46	779,712	6-4	40-36	5.08	360,064	5.17	430,829	Off		Off		1.03	117,362	Off	
08.03.06	0815	Off		2.56	742,662	2.77	356,328	2.55	782,397	6-4	40-36	4.90	366,092	4.96	437,045	Off		Off		1.79	117,833	Off	
08.04.06	0815	Off		2.49	746,196	2.40	359,914	2.56	785,454	6-4	40-36	4.92	371,835	4.94	442,744	Off		Off		1.58	119,849	Off	
08.07.06	0915	Off		2.51	756,379	2.40	370,190	2.62	794,959	8-4	39-35	4.91	387,182	4.82	458,617	Off		Off		1.77	124,810	Off	
08.08.06	0740	Off		2.53	759,500	2.44	373,246	2.60	797,831	8-4	39-35	4.88	392,328	4.78	466,586	Off		Off		1.52	125,600	Off	
08.09.06	1300	Off		2.44	763,709	2.40	377,327	2.65	801,432	14-4	39-35	5.02	399,141	4.91	470,182	Off		Off		1.66	126,902	Off	
08.10.06	1415	Off		2.37	767,212	2.33	380,601	2.53	804,237	20-4 x	37-34	4.49	404,092	4.95	473,536	Off		Off		1.12	127,924	Off	
08.11.06	1400	Off		2.32	770,303	2.40	383,598	2.55	807,433	5-4	37-34	4.51	407,707	4.95	477,348	Off		Off		1.11	128,540	Off	0

TABLE 2 (continued): GROUNDWATER TREATMENT SYSTEM – ONSITE WAREHOUSE AREA – OPERATION AND MAINTENANCE LOG

		SYSTEM INFLOW DATA								SYSTEM PRESSURE		SYSTEM OUTFLOW DATA											
		RECOVERY WELL RW – 1		RECOVERY WELL RW – 2		RECOVERY WELL RW – 3		RECOVERY WELL RW – 4				Injection Galley G-1		Injection Galley G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3		Injection Well IW-4	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Bag Filter	Carbon	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	Flow Rate (gpm)	Total Flow (gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)
08.14.06	0840	Off	21,023	2.30	777,788	2.32	390,976	2.55	814,962	6-4	36-32	4.70	420,004	4.71	490,538	Off		Off		1.27	130,970	Off	0
08.15.06	0940			2.30	780,924	2.33	394,082	2.58	817,858	6-4	36-32	4.76	424,707	4.84	495,733	Off		Off		1.34	131,972	Off	
08.16.06	0800			2.25	783,867	2.35	396,605	2.60	820,382	7-4	37-33	4.87	429,104	5.07	500,480	Off		Off		1.61	132,880	Off	
08.17.06	0900			2.17	786,821	2.32	399,409	2.62	823,600	9-4	37-34	5.16	434,262	5.03	505,962	Off		Off		1.56	133,899	Off	
08.18.06	0805			2.62	789,698	2.35	402,018	2.60	826,442	13-4x	38-34	5.23	439,241	5.10	510,837	Off		Off		2.24	135,487	Off	
08.18.06	1400	SYSTEM OFF FOR VAULT MAINTENANCE																					
08.28.06	0745			2.63	790,407	2.44	402,544	2.65	827,173	5-4	38-34	5.17	442,048	4.78	513,726	Off		Off		1.84	136,855	Off	
08.29.06	0840			2.59	794,042	2.42	405,125	2.37	830,649	6-4	33-29	5.04	448,681	4.27	517,808	Off		Off		2.94	139,095	Off	
08.30.06	0840			2.66	796,081	2.37	408,148	2.37	834,250	6-4	33-29	5.11	452,040	4.34	522,841	Off		Off		1.43	140,793	Off	
08.31.06	1315			2.72	802,615	2.33	411,310	2.28	838,069	7-4	37-33	5.83	457,800	5.48	528,604	Off		Off		1.86	143,050	Off	
09.01.06	0750	Off	21,023	2.68	805,254	2.35	413,315	2.30	840,436	7-4	37-33	6.00	462,129	5.59	532,398	Off		Off		1.94	144,419	Off	
09.05.06	1510			2.57	820,760	2.35	424,369	2.32	852,191	21-3x	37-32	6.50	486,773	5.21	550,440	Off		Off		3.31	153,231	Off	
09.07.06	0745			2.52	824,072	2.88	426,794	2.44	855,500	6-4	42-38	6.50	493,648	5.72	555,318	Off		Off		1.91	156,061	Off	
09.08.06	0740			2.63	827,263	2.99	429,886	2.44	858,768	7-4	43-38	6.43	500,737	5.62	560,523	Off		Off		1.87	156,354	Off	
09.11.06	0835			2.58	837,036	2.83	436,081	2.46	867,042	8-4	43-38	6.02	521,020	4.93	575,384	Off		Off		1.70	161,008	Off	
09.12.06	0840			2.65	840,214	2.83	440,712	2.44	869,672	8-4	51-50	5.42	528,303	5.19	580,626	Off		Off		1.86	163,555	Off	
09.13.06	0750			2.56	843,290	2.79	443,360	2.42	872,339	9-4	52-50	5.51	536,054	4.95	586,009	Off		Off		1.66	166,057	Off	
09.14.06	0830			2.56	846,343	2.63	446,070	2.26	875,029	11-4	53-51	5.54	544,185	4.76	591,553	Off		Off		1.48	168,340	Off	
09.15.06	0900			2.65	849,470	2.67	448,768	2.21	877,727	15-4x	54-52	5.52	552,286	4.58	597,084	Off		Off		1.29	170,327	Off	
09.18.06	0910			2.63	858,125	2.58	451,441	2.42	885,278	5-4	55-53	5.09	575,530	3.83	613,646	Off		Off		1.21	174,436	Off	
09.19.06	1030			2.44	860,785	2.59	454,160	2.23	887,938	5-4	55-53	5.04	538,013	3.42	618,880	Off		Off		2.17	179,035	Off	
09.20.06	0825			2.70	862,928	3.02	456,239	2.21	890,037	8-4	57-55	4.97	589,523	3.38	623,401	Off		Off		1.96	181,382	Off	
09.22.06	1530			2.63	868,274	2.97	461,584	2.77	895,370	11-4	58-57	4.75	605,308	2.95	633,323	Off		Off		1.81	186,166	Off	
09.25.06	0815			2.85	874,776	3.11	468,085	2.74	901,872	21-4x	50-48	5.66	626,008	3.05	644,931	Off		Off		2.02	193,362	Off	
09.26.06	1440			2.66	877,577	2.85	470,887	2.74	904,673	5-4	46-45	9.72	636,082	3.38	648,402	Off		Off		1.07	194,828	Off	
09.27.06	1245			2.80	880,059	2.70	472,951	2.62	907155	5-4	57-56	8.60	644,733	3.77	652,123	Off		Off		2.25	197,023	Off	
09.28.06	1515			2.72	883,038	2.86	475,919	2.58	910,132	7-4	56-55	7.20	655,072	4.45	658,264	Off		Off		1.32	198,844	Off	
09.29.06	1130	Off	21,023	2.72	885,272	2.81	478,155	2.58	912,368	7-4	54-52	7.28	661,888	4.79	662,633	Off		Off		0.86	199,606	Off	
10.03.06	0735	2.99	21,023	2.51	895,781	2.81	488,605	2.47	922,819	12-4	58-56	7.30	694,997	4.95	685,049	Off		Off		1.20	205,231	Off	
10.04.06	0815	2.82	23,814	2.56	899,527	2.77	491,356	2.39	925,569	17-4 x	59-56	7.28	705,900	4.84	692,332	Off		Off		1.27	207,053	Off	
10.05.06	0830	Off	23,814	2.58	903,065	2.77	493,973	2.42	928,186	5-4	58-56	7.37	714,627	4.88	698,171	Off		Off		1.15	208,339	Off	
10.06.06	1130			2.40	907,029	2.72	497,345	2.56	931,230	5-4	60-60	7.65	724,675	4.79	704,701	Off		Off		1.25	210,043	Off	
10.10.06	1510			2.56	921,828	2.10	510,770	2.23	942,431	15-4	60-60	7.47	765,163	4.62	730,078	Off		Off		Off		Off	
10.11.06	1230			2.42	924,825	2.92	514,260	2.25	944,765	17-4 x	60-60	7.40	774,350	4.45	735,758	Off		Off		Off		Off	
10.12.06	1340			2.42	928,181	3.07	518,480	2.44	946,940	5-4	60-60	7.26	785,387	4.19	742,105	Off		Off		Off		Off	
10.13.06	1540			1.68	930,213	2.95	521,683	2.32	949,459	5-4	60-60	7.13	796,163	3.86	748,052	Off		Off		Off		Off	
10.16.06	1220			3.31	941,441	2.90	531,550	3.09	959,876	8-4	60-60	6.98	822,788	3.30	761,654	Off		Off		Off		Off	
10.17.06	0820			2.44	943,641	2.85	533,939	2.69	962,323	12-4	60-60	7.35	829,980	3.23	764,906	Off		Off		Off		Off	
10.18.06	0835			2.49	946,346	2.67	536,824	Off		15-4	60-60	7.30	838,814	2.98	768,543	Off		Off		Off		Off	
10.19.06	1110			2.89	950,237	2.74	541,013	Off		17-4 x	60-60	7.06	848,484	4.01	772,436	Off		Off		Off		Off	
10.20.06	0910			3.08	953,845	2.69	544,327	2.58	962,323	5-4	60-60	6.81	854,419	9.05	777,081	Off		Off		Off		Off	
10.23.06	1430			3.48	965,360	2.53	556,298	2.58	966,712	5-4	60-60	6.31	879,728	7.46	806,828	Off		Off		Off		Off	
10.24.06	1340	Off	23,814	2.78	968,957	2.55	559,704	2.62	970,157	7-4	60-60	6.31	886,120	7.48	814,475	1.00	0	1.00	0	1.00	210,043	Off	
10.25.06	1930			2.77	973,343	2.53	563,777	2.63	974,337	9-4	60-60	5.76	892,826	5.65	821,136	1.11	805	1.06	780	1.05	210,830	Off	
10.26.06	0710			2.85	975,949	2.56	566,127	2.63	976,772	9-5	60-60	8.84	896,515	4.05	824,817	1.32	1,639	1.05	1,337	1.12	211,266	Off	
10.27.06	1530	2.25	23,814	2.28	981,139	2.28	570,343	2.67	981,683	15-5	60-60	7.08	905,514	4.10	830,068	1.32	3,356	1.41	2,756	1.05	212,651	Off	
10.30.06	0855	2.76	33,372	2.26	988,431	2.49	579,514	2.82	990,073	20-6 x	60-60	7.23	924,869	4.31	841,348	1.50	7,136	0.89	3,517	1.10	215,581	Off	
10.31.06	0710	2.64	36,884	2.52	991,509	2.48	582,982	2.55	993,352	5-6	60-60	7.30	934,056	4.48	846,860	1.40	9,020	0.87	4,602	1.19	217,009	Off	
11.01.06	1610	2.63	41,671	2.47	996,077	2.47	587,252	2.44	997,690	5-6	60-60	7.15	947,791	4.46	856,507	Off	9,020	0.80	5,953	1.27	219,262	Off	0

TABLE 2 (continued): GROUNDWATER TREATMENT SYSTEM – ONSITE WAREHOUSE AREA – OPERATION AND MAINTENANCE LOG

		SYSTEM INFLOW DATA								SYSTEM PRESSURE		SYSTEM OUTFLOW DATA									
		RECOVERY WELL RW – 1		RECOVERY WELL RW – 2		RECOVERY WELL RW – 3		RECOVERY WELL RW – 4				Injection Galley G-1		Injection Galley G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3		Injection Well IW-4	
Date	Time	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Bag Filter Flow Rate (gpm)	Carbon Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)	Flow Rate (gpm)	Total Flow (gal)
11.02.06	1525	2.65	44,892	2.61	998,990	2.45	590,103	2.42	100,496	5-6	60-60	6.96	957,295	4.41	861,384	Off	9,020	0.80	7,027	1.23	220,811	Off	0
11.03.06	1600	2.70	48,099	2.59	1,00,1748	2.51	592,714	2.30	1,002,922	8-5	60-60	6.84	966,944	4.36	867,741	Off		0.89	8,239	1.21	222,417	Off	
11.06.06	0825	2.70	58,802	2.72	1,00,9286	2.87	599,562	2.14	1,009,172	17-3x	60-60	6.43	991,478	3.91	833,108	Off		0.89	11,234	.081	226,003	Off	
11.07.06	1055	2.70	60,184	2.52	1,012,268	2.72	603,187	2.32	1,011,807	5-5	60-60	6.87	1,001,890	3.61	888,798	Off		1.01	12,633	1.14	227,819	Off	
11.09.06	1550	2.81	64,230	2.52	1,015,897	0/clog	603,187	2.42	1,015,292	Empty	60-60	6.91	1,011,840	3.38	893,865	Off		1.21	14,375	0.60	228,683	Off	
11.13.06	0905	2.18	67,369	2.21	1,019,079	2.28	608,470	2.30	1,018,804	17-4x	60-60	9.15	1,025,016	3.24	896,331	Off		1.01	15,829	1.17	230,368	Off	
11.14.06	1545	2.15	70,479	2.23	1,022,290	2.25	609,710	2.26	1,021,858	5-5	60-60	NR	1,025,016	NR	NR	Off		NR	NR	NR	NR	Off	
11.16.06	1600	2.34	73,848	2.22	1,025,487	2.23	612,921	2.21	1,025,040	7-5	60-60	9.49	1,038,862	3.14	902,853	Off		0.89	17,111	0.75	231,448	Off	
11.17.06	1440	2.45	77,376	2.49	1,029,073	2.26	616,175	2.17	1,028,165	NR	60-60	9.41	1,052,232	3.02	907,202	Off		0.87	18,384	0.88	232,715	Off	
11.20.06	1130	2.09	81,250	2.42	1,032,558	0/clog	616,175	2.02	1,031,074	NR	60-60	9.37	1,065,725	2.98	911,493	Off		0.94	19,718	0/clog	-	Off	
11.21.06	1530	2.76	85,224	2.42	1,036,043	0/clog	616,175	2.03	1,033,997	6-5	60-60	9.27	1,079,074	2.54	915,151	Off		1.03	21,201	1.16	234,385	Off	
11.27.06	0905	2.65	89,040	2.42	1,039,528	2.30	619,487	1.71	1,036,459	21-5x	60-60	8.82	1,091,775	2.28	918,434	Off		1.42	23,245	0.97	235,781	Off	
11.28.06	1800	2.61	92,798	2.12	1,042,581	2.26	622,741	2.88	1,040,577	8-5	60-60	8.73	1,104,346	2.24	921,660	Off		0/clog	-	0.96	237,163	Off	
12.01.06	1400	2.54	96,456	2.23	1,045,792	2.14	625,822	2.88	1,044,724	NR	60-60	8.58	1,116,701	2.29	924,958	Off	9,020	1.01	24,699	1.21	238,905	Off	
12.04.06	0820	2.99	100,762	2.16	1,048,902	0/clog	625,822	2.88	1,048,871	6-5	60-60	7.20	1,127,069	1.78	927,521	Off		0.83	25,894	Off		Off	
12.05.06	1530	Off	100,762	Off	1,048,902	Off	625,822	Off	1,048,871	NR	60-60	6.99	1,137,135	1.21	929,263	Off		0.25	26,254	Off		Off	
12.06.06	1530	Off	100,762	Off	1,048,902	Off	625,822	Off	1,048,871	Off	60-60	6.79	1,146,913	0.93	930,602	Off		0.61	27,132	Off		Off	
12.07.06	1200	2.13	103,829	2.38	1,052,329	2.09	628,832	2.27	1,052,140	8-5	60-60	6.29	1,155,971	3.83	936,117	Off		Off		Off		Off	
12.08.06	1130	2.11	106,867	2.30	1,055,541	0/clog	628,832	2.69	1,056,014	10-5	51-49	6.50	1,165,331	3.05	940,509	Off		Off		Off		Off	
12.11.06	1320	1.89	109,589	2.16	1,058,751	0/clog	628,832	0/clog	1,056,014	12-5	47-40	6.57	1,174,792	3.35	945,333	Off		Off		Off		Off	
12.12.06	0820	2.16	112,699	2.24	1,061,977	2.60	632,576	2.42	1,059,499	Off	47-42	6.19	1,183,706	4.65	952,029	Off		Off		Off		Off	
12.13.06	1320	1.89	115,421	2.12	1,065,030	2.56	636,262	2.51	1,063,113	17-3x	47-40	6.12	1,192,519	4.55	958,581	Off		Off		Off		Off	
12.14.06		SYSTEM OFF FOR REPAIRS																					
12.15.06		SYSTEM OFF FOR REPAIRS																					
12.18.06	1420	2.99	118,430	1.98	1,067,881	1.87	638,955	2.51	1,066,727	5-5	50-35	5.88	1,200,986	4.32	964,802	Off		Off		Off		Off	
12.21.06	1530	1.33	120,345	0/clog	1,067,881	0/clog	638,955	2.55	1,070,399	5-5	54-30	5.45	1,208,834	4.01	970,576	Off		Off		Off		Off	
12.22.06	0850	2.61	123,959	2.27	1,071,370	0/clog	638,955	2.69	1,074,273	NR	57-25	5.06	1,216,120	3.70	975,904	Off		Off		Off		Off	
12.26.06	0845	2.66	127,645	0/clog	1,071,370	0/clog	638,955	Off	1,074,273	14-3	60-16	4.25	1,222,240	3.10	980,368	Off		Off		Off		Off	
12.27.06	1420	2.56	131,331	0/clog	1,071,370	0/clog	638,955	Off	1,074,273	18-3x	58-46	6.82	1,232,061	3.55	985,624	Off		Off		Off		Off	
12.27.06	0930	2.58	135,046	0/clog	1,071,370	0/clog	638,955	Off	1,074,273	4-5	55-45	7.18	1,282,400	3.75	991,024	Off	9,020	Off	27,132	Off	238,905	Off	0

TABLE 3: GROUNDWATER TREATMENT SYSTEM – OFFSITTE GARAGE AND ABANDONED FIELD ROAD AREA – OPERATION AND MAINTENANCE LOG

		SYSTEM INFLOW DATA								SYSTEM PRESSURE		SYSTEM OUTFLOW DATA											
		RECOVERY WELL RW –5S		RECOVERY WELL RW – 5D		RECOVERY WELL RW – 6		RECOVERY WELL RW – 7		Bag Filter Pressure	Carbon Pressure	Injection Trench		Injection Well IW-6		Injection Well IW-7		TOTAL SYSTEM INFLOW		TOTAL SYSTEM OUTFLOW		COGEN	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow			Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(psi)	(psi)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gpm)	(gal)	(gph)	(gal)
10.17.06	0820	Off	0	1.01	82	Off	0	2.55	2,886	5-4	28-26	9.14	2,929	Off	0	Off	0	-	2,968	-	2,929	Off	0
10.18.06	0810			1.00	1,483			2.48	6,443	5-4	28-26	9.14	7,807						7,936		7,807		
10.19.06	0820			1.02	2,957			2.46	9,965	5-4	28-27	9.48	12,856						12,942		12,856		
10.20.06	0750			1.00	4,355			2.48	13,538	5-4	28-27	9.42	17,781						17,884		17,781		
10.23.06	1430			0.98	8,895			2.50	25,098	5-4	28-27	9.46	34,223						33,993		34,223		
10.24.06	1230			0.92	9,331			2.46	26,193	5-4	29-28	9.52	35,729						35,524		35,729		
10.25.06	1530			0.98	9,919			2.61	27,084	5-4	29-28	9.50	37,152						37,003		37,152		
10.26.06	0910			0.98	10,008			2.48	27,270	5-4	29-28	9.56	37,432						37,278		37,432		
10.27.06	1500			0.94	11,554			2.31	31,239	5-4	29-28	9.56	43,055						42,793		43,055		
10.30.06	0750			1.00	15,441			2.29	38,922	5-4	29-28	9.54	55,080						54,363		55,080		
10.31.06	0710			1.01	16,836			2.34	42,052	5-4	29-28	9.52	59,174						58,888		59,174		
11.01.06	1625	Off	0	1.01	18,830	Off	0	2.36	46,518	5-4	29-28	9.48	65,391	Off	0	Off	0	-	65,348	-	65,391	Off	0
11.02.06	1510			1.00	20,195			2.38	49,545	5-4	29-28	9.50	69,456						69,740		69,456		
11.03.06	1625			1.00	21,704			2.40	52,913	8-5	29-28	9.72	73,594						74,617		73,594		
11.06.06	0815			1.01	25,538			2.52	61,727	7-5	29-28	9.56	85,404						87,265		85,404		
11.07.06	1040			1.00	27,123			2.78	65,680	8-5	29-28	9.62	90,376						92,803		90,376		
11.08.06	1555			1.01	28,879			2.71	70,594	8-5	29-28	9.70	95,351						99,473		95,351		
11.09.06	1610			1.00	30,338			2.87	74,563	8-5	29-28	9.64	99,561						104,901		99,561		
11.13.06	0800			0.87	35,435			2.34	86,494	9-5	29-28	9.66	116,098						121,929		116,098		
11.14.06	1600			0.84	37,053			2.36	90,848	9-5	30-28	9.66	121,720						128,001		121,720		
11.16.06	1610			1.16	40,472			2.34	96,453	9-5	30-28	9.77	130,940						136,925		130,940		
11.17.06	1425			1.14	42,018			2.36	99,008	9-5	30-27	9.67	136,015						141,026		136,015		
11.20.06	1115			1.13	46,726			2.38	108,862	9-4	30-27	9.56	150,564						153,588		150,545		
11.21.06	1600			1.14	48,678			2.27	110,099	10-4	30-26	9.58	156,905						158,777		156,905		
11.27.06	0830			1.15	58,277			2.26	125,251	12-4	30-26	9.57	185,847						183,528		185,847		
11.28.06	1625			1.15	60,219			2.34	126,780	12-4	30-28	9.56	192,702						188,999		192,702		
12.01.06	1415	Off	0	1.15	65,032	Off	0	2.26	136,599	15-4	30-26	9.52	207,466	Off	0	Off	0	-	201,631	-	207,466		
12.04.06	1000			1.14	69,697			2.26	144,224	19-4	30-24	9.50	221,865						213,921		221,965	Off	0
12.05.06	1545			1.10	71,676			2.20	147,568	19-4	30-24	9.45	228,390						219,248		228,390	4	4
12.06.06	1555			1.09	73,240			2.20	150,275	20-4	30-24	9.27	233,553						223,615		233,553	4	100
12.07.06	0845			1.07	74,324			2.24	152,171	20-4	30-24	9.29	237,060						225,862		237,060	4	167
12.08.06	0930			0.85	75,827			2.20	154,846	21-5x	31-23	9.25	242,442						231,235		242,442	20	662
12.11.06	1320			0.96	79,663			2.19	163,445	4-5	32-24	9.30	258,506						245,006		258,506	16	1,878
12.12.06	0830			0.99	80,973			2.15	165,596	4-5	32-23	9.20	262,932						248,751		262,932	16	2,182
12.13.06	1320			0.98	82,646			2.20	168,832	6-5	32-24	9.25	268,996						254,124		268,996	16	2,646
12.14.06	1515			0.95	84,150			2.19	172,030	7-5	32-24	9.17	274,654						259,242		274,654	16	3,062
12.15.06	1520			0.97	85,541			2.17	175,039	8-5	32-24	9.22	280,082						264,026		280,082	16	3,448
12.18.06	1030			0.97	89,406			2.22	182,203	9-5	32-24	9.25	294,249						276,127		294,249	16	4,518
12.19.06	1430			0.96	91,006			2.22	185,738	15-5	33-23	9.19	300,456						281,710		300,456	16	4,956
12.21.06	1545			0.96	93,838			2.24	191,313	17-5x	33-23	9.21	310,956						290,517		310,956	16	5,366
12.22.06	0830			0.96	94,807			2.20	193,451	4-6	32-22	9.10	312,033						293,896		312,033	16	5,638
12.26.06	0935			0.97	100,364			2.27	204,663	5-5	33-23	9.12	332,622						312,201		332,622	16	7,174
12.27.06	1415			0.97	102,081			2.22	207,742	6-5	31-21	8.73	338,967						317,285		338,967	16	7,462
12.29.06	0940	Off	0	0.98	104,604	Off	0	2.20	213,224	6-5	31-21	9.08	347,857	Off	0	Off	0	-	325,978	-	347,857	16	8,150

TABLE 4: REMEDIAL ADDITIVES LOG – ONSITE GROUNDWATER TREATMENT SYSTEM – WAREHOUSE/YARD

DATE	MicroSorb S.C.	MicroSorb D.C.	Biocatalyst Activator	MicroSorb Nutrients
12.07.05			2 oz. to CoGen	
12.08.05	1 lb. to each Bioreactor	0.75 lb. to each Bioreactor	2 oz. to CoGen	.33 lb. to each Bioreactor
12.08.05	2 lb. to IW-1, -2, -3, -4	3 lb. to IW-1, -2, -3, -4	5 lb. to IW-1, -2, -3, -4	1 lb. to IW-1, -2, -3, -4
12.09.05			2 oz. to CoGen	
12.12.05			2 oz. to CoGen	
12.13.05			2 oz. to CoGen	
12.14.05			2 oz. to CoGen	
12.15.05			2 oz. to CoGen	
12.16.05			2 oz. to CoGen	
12.19.05			2 oz. to CoGen	
12.20.05			2 oz. to CoGen	
12.21.05			2 oz. to CoGen	
12.22.05			2 oz. to CoGen	
12.23.05			2 oz. to CoGen	
12.27.05			2 oz. to CoGen	
12.28.05			2 oz. to CoGen	
12.29.05			2 oz. to CoGen	
12.30.05			2 oz. to CoGen	
01.03.06			2 oz. to CoGen	
01.04.06			2 oz. to CoGen	
01.06.06			2 oz. to CoGen	
01.09.06			2 oz. to CoGen	
01.10.06			2 oz. to CoGen	
01.11.06			2 oz. to CoGen	
01.11.06	5 lb. to Galley 1 & 2	5 lb. to Galley 1 & 2	500 gal to Galley 1 & 2	1 lb. to Galley 1 & 2
01.12.06			2 oz. to CoGen	
01.13.06		1 lb. to each Bioreactor	2 oz. to CoGen	.33 lb. to each Bioreactor
01.16.06			2 oz. to CoGen	
01.17.06			2 oz. to CoGen	
01.18.06			2 oz. to CoGen	
01.20.06			2 oz. to CoGen	
01.23.06			2 oz. to CoGen	
01.24.06			2 oz. to CoGen	
01.25.06			2 oz. to CoGen	
01.26.06			2 oz. to CoGen	
01.27.06		1 lb. to each Bioreactor	2 oz. to CoGen	.33 lb. to each Bioreactor
01.30.06			2 oz. to CoGen	
01.31.06			2 oz. to CoGen	
02.01.06			2 oz. to CoGen	
02.02.06			2 oz. to CoGen	
02.03.06			2 oz. to CoGen	

MicroSorb S.C. = Super Concentrate
MicroSorb D.C. = Dechlorinator

TABLE 4: REMEDIAL ADDITIVES LOG – ONSITE GROUNDWATER TREATMENT SYSTEM – WAREHOUSE/YARD

DATE	MicroSorb S.C.	MicroSorb D.C.	Biocatalyst Activator	MicroSorb Nutrients
02.06.06			2 oz. to CoGen	
02.07.06			2 oz. to CoGen	
02.08.06			2 oz. to CoGen	
02.09.06			2 oz. to CoGen	
02.10.06		1 lb. to each Bioreactor	2 oz. to CoGen	.25 lb. to each Bioreactor
02.13.06			2 oz. to CoGen	
02.14.06			2 oz. to CoGen	
02.15.06			2 oz. to CoGen	
02.16.06			2 oz. to CoGen	
02.17.06			2 oz. to CoGen	
02.21.06			2 oz. to CoGen	
02.22.06			2 oz. to CoGen	
02.23.06			2 oz. to CoGen	
02.24.06		1 lb. to each Bioreactor	2 oz. to CoGen	.25 lb. to each Bioreactor
02.27.06			2 oz. to CoGen	
02.28.06			2 oz. to CoGen	
03.01.06			2 oz. to CoGen	
03.02.06			2 oz. to CoGen	
03.03.06			2 oz. to CoGen	
03.06.06		5 lb. to Galley 1 & 2	500 gal to Galley 1 & 2	1 lb. to Galley 1 & 2
03.07.06			2 oz. to CoGen	
03.08.06			2 oz. to CoGen	
03.09.06			2 oz. to CoGen	
03.01.06			2 oz. to CoGen	
03.02.06			2 oz. to CoGen	
03.03.06			2 oz. to CoGen	
03.06.06			2 oz. to CoGen	
03.07.06			2 oz. to CoGen	
03.08.06			2 oz. to CoGen	
03.09.06			2 oz. to CoGen	
03.10.06		1 lb. to each Bioreactor	2 oz. to CoGen	.25 lb. to each Bioreactor
03.11.06			2 oz. to CoGen	
03.13.06			2 oz. to CoGen	
03.14.06			2 oz. to CoGen	
03.15.06			2 oz. to CoGen	
03.16.06			2 oz. to CoGen	
03.17.06			2 oz. to CoGen	
03.20.06			2 oz. to CoGen	
03.21.06			2 oz. to CoGen	
03.22.06			2 oz. to CoGen	
03.23.06			2 oz. to CoGen	

MicroSorb S.C. = Super Concentrate
MicroSorb D.C. = Dechlorinator

TABLE 4: REMEDIAL ADDITIVES LOG – ONSITE GROUNDWATER TREATMENT SYSTEM – WAREHOUSE/YARD

DATE	MicroSorb S.C.	MicroSorb D.C.	Biocatalyst Activator	MicroSorb Nutrients
03.24.06		1 lb. to each Bioreactor	2 oz. to CoGen	.25 lb. to each Bioreactor
03.27.06			2 oz. to CoGen	
03.28.06			2 oz. to CoGen	
03.29.06			2 oz. to CoGen	
03.30.06			2 oz. to CoGen	
03.31.06			2 oz. to CoGen	
04.03.06			2 oz. to CoGen	
04.04.06			2 oz. to CoGen	
04.05.06			2 oz. to CoGen	
04.06.06		5 lb. to Galley 1 & 2	500 gal to Galley 1 & 2	1 lb. to Galley 1 & 2
04.07.06		1 lb. to each Bioreactor	2 oz. to CoGen	.25 lb. to each Bioreactor
04.10.06			2 oz. to CoGen	
04.11.06			2 oz. to CoGen	
04.12.06	*System Off-Maintenance*	*System Off-Maintenance*	2 oz. to CoGen	
04.20.06	*System On*	*System On*	2 oz. to CoGen	
04.21.06			2 oz. to CoGen	
04.24.06			2 oz. to CoGen	
04.25.06			2 oz. to CoGen	
04.26.06			2 oz. to CoGen	
04.27.06			2 oz. to CoGen	
04.28.06		1 lb. to each Bioreactor	2 oz. to CoGen	.25 lb. to each Bioreactor
05.01.06			2 oz. to CoGen	
05.02.06			2 oz. to CoGen	
05.03.06			2 oz. to CoGen	
05.04.06			2 oz. to CoGen	
05.05.06			2 oz. to CoGen	
05.08.06			2 oz. to CoGen	
05.09.06		5 lb. to Galley 1 & 2	500 gal to Galley 1 & 2	1 lb. to Galley 1 & 2
05.10.06			2 oz. to CoGen	
05.11.06			2 oz. to CoGen	
05.12.06			2 oz. to CoGen	
05.15.06			2 oz. to CoGen	
05.16.06			2 oz. to CoGen	
05.17.06			2 oz. to CoGen	
05.18.06			2 oz. to CoGen	
05.19.06			2 oz. to CoGen	
05.22.06			2 oz. to CoGen	
05.23.06			2 oz. to CoGen	
05.24.06			2 oz. to CoGen	
05.25.06			2 oz. to CoGen	
05.26.06			2 oz. to CoGen	

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MicroSorb D.C. = Dechlorinator

TABLE 4: REMEDIAL ADDITIVES LOG – ONSITE GROUNDWATER TREATMENT SYSTEM – WAREHOUSE/YARD

DATE	MicroSorb S.C.	MicroSorb D.C.	Biocatalyst Activator	MicroSorb Nutrients
05.30.06			2 oz. to CoGen	
05.31.06			2 oz. to CoGen	
06.01.06			2 oz. to CoGen	
06.02.06			2 oz. to CoGen	
06.05.06			2 oz. to CoGen	
06.06.06			2 oz. to CoGen	
06.07.06			2 oz. to CoGen	
06.08.06			2 oz. to CoGen	
06.09.06		3 lb. To Bioreactor 1	2 oz. to CoGen	.75 lb to Bioreactor 1
06.12.06			2 oz. to CoGen	
06.13.06		2.5 lb. to Galley 1 & 2	250 gal to Galley 1 & 2	1/2 lb. to Galley 1 & 2
06.14.06			2 oz. to CoGen	
06.15.06			2 oz. to CoGen	
06.16.06			2 oz. to CoGen	
06.19.06			2 oz. to CoGen	
06.20.06			2 oz. to CoGen	
06.21.06			2 oz. to CoGen	
06.22.06			2 oz. to CoGen	
06.23.06			2 oz. to CoGen	
06.26.06			2 oz. to CoGen	
06.27.06			2 oz. to CoGen	
06.28.06			2 oz. to CoGen	
06.29.06			2 oz. to CoGen	
06.30.06			2 oz. to CoGen	
07.05.06			2 oz. to CoGen	
07.06.06			2 oz. to CoGen	
07.07.06			2 oz. to CoGen	
07.10.06			2 oz. to CoGen	
07.11.06			2 oz. to CoGen	
07.12.06			2 oz. to CoGen	
07.13.06			2 oz. to CoGen	
07.14.06			2 oz. to CoGen	
07.17.06			2 oz. to CoGen	
07.18.06			2 oz. to CoGen	
07.19.06		3 lb. To Bioreactor 1	2 oz. to CoGen	.75 lb to Bioreactor 1
07.20.06		5 lb. to Galley 1 & 2	500 gal to Galley 1 & 2	1 lb. to Galley 1 & 2
07.21.06			2 oz. to CoGen	
07.24.06			2 oz. to CoGen	
07.25.06			2 oz. to CoGen	
07.26.06			2 oz. to CoGen	
07.27.06			2 oz. to CoGen	

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MicroSorb D.C. = Dechlorinator

TABLE 4: REMEDIAL ADDITIVES LOG – ONSITE GROUNDWATER TREATMENT SYSTEM – WAREHOUSE/YARD

DATE	MicroSorb S.C.	MicroSorb D.C.	Biocatalyst Activator	MicroSorb Nutrients
07.28.06			2 oz. to CoGen	
07.31.06			2 oz. to CoGen	
08.01.06			2 oz. to CoGen	
08.02.06			2 oz. to CoGen	
08.03.06			2 oz. to CoGen	
08.04.06			2 oz. to CoGen	
08.07.06			2 oz. to CoGen	
08.08.06			2 oz. to CoGen	
08.09.06			2 oz. to CoGen	
08.10.06			2 oz. to CoGen	
08.11.06			2 oz. to CoGen	
08.14.06			2 oz. to CoGen	
08.15.06		5 lb. to Galley 1 & 2	500 gal to Galley 1 & 2	1 lb. to Galley 1 & 2
08.16.06			2 oz. to CoGen	
08.17.06			2 oz. to CoGen	
08.18.06			2 oz. to CoGen	
08.21.06			2 oz. to CoGen	
08.22.06			2 oz. to CoGen	
08.23.06			2 oz. to CoGen	
08.24.06			2 oz. to CoGen	
08.25.06			2 oz. to CoGen	
08.28.06			2 oz. to CoGen	
08.29.06			2 oz. to CoGen	
08.30.06			2 oz. to CoGen	
08.31.06		2 lb. To Bioreactor 1	2 oz. to CoGen	.75 lb to Bioreactor 1
09.01.06			2 oz. to CoGen	
09.05.06			2 oz. to CoGen	
09.06.06			2 oz. to CoGen	
09.07.06			2 oz. to CoGen	
09.08.06		5 lb. to Galley 1 & 2	500 gal to Galley 1 & 2	1 lb. to Galley 1 & 2
09.11.06			2 oz. to CoGen	
09.12.06			2 oz. to CoGen	
09.13.06			2 oz. to CoGen	
09.14.06			2 oz. to CoGen	
09.15.06			2 oz. to CoGen	
09.18.06			2 oz. to CoGen	
09.19.06			2 oz. to CoGen	
09.20.06		2 lb. To Bioreactor 1	2 oz. to CoGen	.75 lb to Bioreactor 1
09.22.06			2 oz. to CoGen	
09.25.06			2 oz. to CoGen	
09.26.06			2 oz. to CoGen	

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MicroSorb D.C. = Dechlorinator

TABLE 4: REMEDIAL ADDITIVES LOG – ONSITE GROUNDWATER TREATMENT SYSTEM – WAREHOUSE/YARD

DATE	MicroSorb S.C.	MicroSorb D.C.	Biocatalyst Activator	MicroSorb Nutrients
09.27.06			2 oz. to CoGen	
09.28.06			2 oz. to CoGen	
09.29.06			2 oz. to CoGen	
10.03.06			2 oz. to CoGen	
10.04.06			2 oz. to CoGen	
10.05.06			2 oz. to CoGen	
10.06.06			2 oz. to CoGen	
10.09.06			2 oz. to CoGen	
10.10.06			2 oz. to CoGen	
10.11.06			2 oz. to CoGen	
10.12.06			2 oz. to CoGen	
10.13.06		5 lb. to Galley 1 & 2	500 gal to Galley 1 & 2	1 lb. to Galley 1 & 2
10.16.06			2 oz. to CoGen	
10.17.06			2 oz. to CoGen	
10.18.06			2 oz. to CoGen	
10.19.06			2 oz. to CoGen	
10.20.06			2 oz. to CoGen	
10.23.06			2 oz. to CoGen	
10.24.06			2 oz. to CoGen	
10.25.06			2 oz. to CoGen	
10.26.06			2 oz. to CoGen	
10.27.06			2 oz. to CoGen	
10.30.06			2 oz. to CoGen	
10.31.06			2 oz. to CoGen	
11.01.06			2 oz. to CoGen	
11.02.06			2 oz. to CoGen	
11.03.06			2 oz. to CoGen	
11.06.06			2 oz. to CoGen	
11.07.06			2 oz. to CoGen	
11.08.06			2 oz. to CoGen	
11.09.06			2 oz. to CoGen	
11.13.06			2 oz. to CoGen	
11.14.06		5 lb. to Galley 1 & 2	500 gal to Galley 1 & 2	1 lb. to Galley 1 & 2
11.16.06			2 oz. to CoGen	
11.17.06			2 oz. to CoGen	
11.20.06			2 oz. to CoGen	
11.21.06			2 oz. to CoGen	
11.27.06			2 oz. to CoGen	
11.28.06			2 oz. to CoGen	
12.01.06			2 oz. to CoGen	
12.04.06			2 oz. to CoGen	

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TABLE 4: REMEDIAL ADDITIVES LOG – ONSITE GROUNDWATER TREATMENT SYSTEM – WAREHOUSE/YARD

DATE	MicroSorb S.C.	MicroSorb D.C.	Biocatalyst Activator	MicroSorb Nutrients
12.05.06			2 oz. to CoGen	
12.06.06			2 oz. to CoGen	
12.07.06			2 oz. to CoGen	
12.08.06			2 oz. to CoGen	
12.11.06			2 oz. to CoGen	
1212.06			2 oz. to CoGen	
12.13.06			2 oz. to CoGen	
12.14.06			2 oz. to CoGen	
12.15.06			2 oz. to CoGen	
12.18.06		5 lb. to Galley 1 & 2	500 gal to Galley 1 & 2	1 lb. to Galley 1 & 2
12.19.06			2 oz. to CoGen	
12.21.06			2 oz. to CoGen	
12.22.06			2 oz. to CoGen	
12.26.06			2 oz. to CoGen	
12.27.06			2 oz. to CoGen	
12.29.06			2 oz. to CoGen	

MicroSorb S.C. = Super Concentrate
MicroSorb D.C. = Dechlorinator

TABLE 4: REMEDIAL ADDITIVES LOG – ONSITE GROUNDWATER TREATMENT SYSTEM – WAREHOUSE/YARD

	REMEDIAL ADDITIVE TOTALS			
Location	**MicroSorb S.C.**	**MicroSorb D.C.**	**Biocatalyst Activator**	**MicroSorb Nutrients**
Injection Well IW-1	2 lb	3 lb	5 lb	1 lb
Injection Well IW-2	2 lb	3 lb	5 lb	1 lb
Injection Well IW-3	2 lb	3 lb	5 lb	1 lb
Injection Well IW-4	2 lb	3 lb	5 lb	1 lb
Bioreactor 1	1 lb	18.75 lb	-	5.24
Bioreactor 2	1 lb	8.75 lb	-	2.99
Bioreactor 3	1 lb	6.75 lb	-	1.74
Galley 1	5 lb	52.5 lb	5,250 gal	10.0 lb
Galley 2	5 lb	52.5 lb	5,250 gal	10.5 lb
CoGen	-	-	484 oz	-

MicroSorb S.C. = Super Concentrate
MicroSorb D.C. = Dechlorinator

TABLE 5: REMEDIAL ADDITIVES LOG – OFFSITE GROUNDWATER TREATMENT SYSTEM – GARAGE & ABANDONED FIELD ROAD AREA

DATE	MicroSorb S.C.	MicroSorb D.C.	Biocatalyst Activator	MicroSorb Nutrients
12.05.06			2 oz. to CoGen	
12.06.06			2 oz. to CoGen	
12.07.06			2 oz. to CoGen	
12.08.06			2 oz. to CoGen	
12.11.06			2 oz. to CoGen	
1212.06			2 oz. to CoGen	
12.13.06			2 oz. to CoGen	
12.14.06			2 oz. to CoGen	
12.15.06			2 oz. to CoGen	
12.18.06		5 lb. to Recovery Trench	500 gal to Recovery Trench	1 lb. to Recovery Trench
12.19.06			2 oz. to CoGen	
12.21.06			2 oz. to CoGen	
12.22.06			2 oz. to CoGen	
12.26.06			2 oz. to CoGen	
12.27.06			2 oz. to CoGen	
12.29.06			2 oz. to CoGen	

MicroSorb S.C. = Super Concentrate
MicroSorb D.C. = Dechlorinator

TABLE 5: REMEDIAL ADDITIVES LOG – OFFSITE GROUNDWATER TREATMENT SYSTEM – GARAGE & ABANDONED FIELD ROAD AREA

	REMEDIAL ADDITIVE TOTALS			
Location	**MicroSorb S.C.**	**MicroSorb D.C.**	**Biocatalyst Activator**	**MicroSorb Nutrients**
Injection Well IW-5S	-	-	-	-
Injection Well IW-5D	-	-	-	-
Injection Well IW-6	-	-	-	-
Injection Well IW-7	-	-	-	-
Bioreactor 1	-	-	-	-
Bioreactor 2	-	-	-	-
Bioreactor 3	-	-	-	-
Recovery Trench	-	5 lb	500 gal	1 lb
CoGen	-	-	32 oz	-

MicroSorb S.C. = Super Concentrate
MicroSorb D.C. = Dechlorinator

TABLE 6: REMEDIAL ADDITIVES LOG – ONSITE GROUNDWATER TREATMENT SYSTEM – GALLEYS

	REMEDIAL ADDITIVE TOTALS			
Location	MicroSorb S.C.	MicroSorb D.C.	Biocatalyst Activator	MicroSorb Nutrients
Onsite Treatment System				
Galley 1	*5 lb*	*47.5 lb*	*4,750 gal*	*9.0 lb*
Galley 2	*5 lb*	*47.5 lb*	*4,750 gal*	*9.5 lb*
Offsite Treatment System				
Recovery Trench	-	-	-	-

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MicroSorb D.C. = Dechlorinator

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 1 (Total Depth = 71 feet/Screened Interval = 65-70 feet (ttl))

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	15	9.0	16	69	Not Tested	Not Tested					
Chloroethane	NAS	NAS	NAS	<2.0	<2.0	<10	<10	Not Tested	Not Tested					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<5.0	<5.0	<100	Not Tested	Not Tested	Not Tested					
Acetone	3,000	50,000	50,000	<10.0	<10.0	<200	<200	Not Tested	Not Tested					
1,1-Dichloroethene	7	1	50,000	<1.0	1.0	<10	18	Not Tested	Not Tested					
Methylene Chloride	5	50,000	50,000	<10.0	<10.0	<50	<50	Not Tested	Not Tested					
Methyl tert-Butyl Ether	70	50,000	50,000	<2.0	< 2.0	<10	<10	Not Tested	Not Tested					
trans-1,2-Dichloroethene	100	20,000	50,000	<1.5	0.93	<10	<10	Not Tested	Not Tested					
1,1-Dichloroethane	70	9,000	50,000	14	12	36	25	Not Tested	Not Tested					
cis-1,2-Dichloroethene	70	30,000	50,000	64	40	650	230	Not Tested	Not Tested					
1,1,1-Trichloroethane	200	4,000	50,000	16	15	210	410	Not Tested	Not Tested					
Trichloroethene	5	300	20,000	4.1	8.9	14	170	Not Tested	Not Tested					
Toluene	1,000	6,000	50,000	<1.5	1.5	<10	<10	Not Tested	Not Tested					
Tetrachloroethene	5	3,000	5,000	<1.0	15	22	480	Not Tested	Not Tested					
Xylenes	10,000	6,000	50,000	<1.0	<1.0	<10	<10	Not Tested	Not Tested					
Total VOCs				*113.10*	*101.83*	*958*	*1,402*	-	-					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	< 1.0	< 1.0	< 0.5	< 0.5	<0.5	<0.5					
Chloroethane	NAS	NAS	NAS	< 1.0	< 1.0	< 0.5	< 0.5	<0.5	<0.5					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	< 2.5	< 2.5	<5	Not Tested	7	<5					
Acetone	3,000	50,000	50,000	< 5.0	< 5.0	<10	<10	<10	<10					
1,1-Dichloroethene	7	1	50,000	< 0.50	11	0.8	<0.5	<0.5	<0.5					
Methylene Chloride	5	50,000	50,000	< 5.0	6.9	<2.5	<2.5	<2.5	<2.5					
Methyl tert-Butyl Ether	70	50,000	50,000	< 1.0	< 1.0	<0.5	<0.5	<0.5	<0.5					
trans-1,2-Dichloroethene	100	20,000	50,000	< 0.75	< 0.75	<0.5	<0.5	<0.5	<0.5					
1,1-Dichloroethane	70	9,000	50,000	< 0.75	< 0.75	<0.5	<0.5	<0.5	<0.5					
cis-1,2-Dichloroethene	70	30,000	50,000	< 0.50	18	5	1	2	<0.5					
1,1,1-Trichloroethane	200	4,000	50,000	< 0.50	70	6	10	<0.5	<0.5					
Trichloroethene	5	300	20,000	3.5	> 100	9	6	2	<0.5					
Toluene	1,000	6,000	50,000	< 0.75	0.81	<0.5	2	<0.5	<0.5					
Tetrachloroethene	5	3,000	5,000	16	> 100	21	28	27	<0.5					
Xylenes	10,000	6,000	50,000	< 0.50	< 0.50	<0.5	0.6	<0.5	<0.5					
Total VOCs				*19.5*	*> 308.71*	*41.8*	*47.6*	*38*	*BMDL*					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 5S (Total Depth = 18 feet/Screened Interval = 2.5-17.5 feet [fill & silt])

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	<1.0	<1.0	<1	<0.5	<1	<0.5					
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	<1	<0.5	<1	<0.5					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<10	Not Tested	<10	0.6					
Acetone	3,000	50,000	50,000	<5.0	<5.0	<20	<10	<20	<10					
1,1-Dichloroethene	7	1	50,000	<0.50	1.8	2	<0.5	<1	<0.5					
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<5	<2.5	<5	<2.5					
Methyl tert-Butyl Ether	70	50,000	50,000	<1.0	<1.0	<1	<0.5	<1	<0.5					
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<1	<0.5	<1	<0.5					
1,1-Dichloroethane	70	9,000	50,000	1.8	4.1	3	<0.5	<1	<0.5					
cis-1,2-Dichloroethene	70	30,000	50,000	6.5	18	13	2	<1	<0.5					
1,1,1-Trichloroethane	200	4,000	50,000	<0.50	5.3	10	5	<1	0.7					
Trichloroethene	5	300	20,000	6.4	27	27	5	7	12					
Toluene	1,000	6,000	50,000	<0.75	<0.75	<1	<0.5	<1	<0.5					
Tetrachloroethene	5	3,000	5,000	<0.50	13	39	16	31	42					
Xylenes	10,000	6,000	50,000	<0.50	<0.50	<1	<0.5	<1	<0.5					
Total VOCs				*14.7*	*69.2*	*94*	*27*	*38*	*55.3*					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	<1.0	<1.0	< 0.5	<2.5	< 0.5	<2.5					
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	< 0.5	<2.5	< 0.5	<2.5					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<5	Not Tested	<5	<5					
Acetone	3,000	50,000	50,000	<5.0	<5.0	<10	<50	<10	<50					
1,1-Dichloroethene	7	1	50,000	<0.50	<0.50	1	<2.5	< 0.5	<2.5					
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<2.5	<13	<2.5	<13					
Methyl tert-Butyl Ether	70	50,000	50,000	6.4	5.4	2	3	0.7	<2.5					
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<0.5	<2.5	<0.5	<2.5					
1,1-Dichloroethane	70	9,000	50,000	<0.75	<0.75	<0.5	<2.5	<0.5	<2.5					
cis-1,2-Dichloroethene	70	30,000	50,000	<0.50	0.5	3	6	0.5	9					
1,1,1-Trichloroethane	200	4,000	50,000	<0.50	2.5	6	42	< 0.5	12					
Trichloroethene	5	300	20,000	<0.50	5.4	15	27	0.9	29					
Toluene	1,000	6,000	50,000	<0.75	<0.75	<0.5	<2.5	<0.5	<2.5					
Tetrachloroethene	5	3,000	5,000	<0.50	12	26	15	0.6	210					
Xylenes	10,000	6,000	50,000	<0.50	0.7	<0.5	<2.5	<0.5	<2.5					
Isopropylbenzene	NAS	NAS	NAS	BMDL	3.7	BMDL	BMDL	BMDL	BMDL					
Total VOCs				*6.4*	*30.2*	*54.0*	*198.0*	*2.7*	*260*					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
'<' = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 7R (Total Depth = 97 feet/Screened Interval = 92-97 feet (bedrock))

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	<1.0	<1.0	<1	<2.5	< 0.5	<2.5					
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	<1	<2.5	< 0.5	<2.5					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<10	Not Tested	<5	<25					
Acetone	3,000	50,000	50,000	<5.0	<5.0	<20	<50	<10	<50					
1,1-Dichloroethene	7	1	50,000	<0.50	<0.50	<1	4	< 0.5	<2.5					
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<5	<13	<2.5	<13					
Methyl tert-Butyl Ether	70	50,000	50,000	<1.0	<1.0	<1	3	<0.5	<2.5					
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<1	<2.5	<0.5	<2.5					
1,1-Dichloroethane	70	9,000	50,000	<0.75	<0.75	<1	<2.5	<0.5	<2.5					
cis-1,2-Dichloroethene	70	30,000	50,000	<0.50	<0.50	3	9	<0.5	<2.5					
1,1,1-Trichloroethane	200	4,000	50,000	<0.50	2.1	5	63	< 0.5	9					
Trichloroethene	5	300	20,000	<0.50	**4.0**	10	40	<0.5	20					
Toluene	1,000	6,000	50,000	<0.75	<0.75	<1	<2.5	<0.5	<2.5					
Tetrachloroethene	5	3,000	5,000	<0.50	11	20	20	<0.5	180					
Xylenes	10,000	6,000	50,000	<0.50	<0.50	<1	<2.5	<0.5	<2.5					
Total VOCs				*Not Detected*	*17.1*	*38*	*136.0*	*Not Detected*	*209*					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 Aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
'<' = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 14S (Total Depth = 25.3 feet/Screened Interval = 14.8-24.8 feet (sand))

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	<1.0	<1.0	<2.5	<2.5	<1	<1					
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	<2.5	<2.5	<1	<1					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<25	Not Tested	<10	<10					
Acetone	3,000	50,000	50,000	<5.0	<5.0	<50	<50	<20	<20					
1,1-Dichloroethene	7	1	50,000	<0.50	1.4	<2.5	<2.5	<1	<1					
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<13	<13	<5	<5					
Methyl tert-Butyl Ether	70	50,000	50,000	<1.0	<1.0	<2.5	<2.5	<1	<1					
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<2.5	<2.5	<1	<1					
1,1-Dichloroethane	70	9,000	50,000	<0.75	<0.75	<2.5	<2.5	<1	<1					
cis-1,2-Dichloroethene	70	30,000	50,000	0.7	0.69	<2.5	<2.5	<1	<1					
1,1,1-Trichloroethane	200	4,000	50,000	2.8	3.7	8	3	3	3					
Trichloroethene	5	300	20,000	10	34	52	36	24	31					
Toluene	1,000	6,000	50,000	<0.75	<0.75	<2.5	<2.5	<1	<1					
Tetrachloroethene	5	3,000	5,000	5	84	180	87	52	84					
Xylenes	10,000	6,000	50,000	<0.50	<0.50	<2.5	<2.5	<1	<1					
Total VOCs				*18.5*	*103.79*	*240.0*	*128.0*	*79*	*99*					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	<200	<200	<100	<100	<250	<250					
Chloroethane	NAS	NAS	NAS	<200	<200	<100	<100	<250	<250					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<500	<500	<1,000	<1,000	<2,500	<2,500					
Acetone	3,000	50,000	50,000	<1,000	<1,000	<2,000	<2,000	<5,000	<5,000					
1,1-Dichloroethene	7	1	50,000	**500**	**480**	**560**	**480**	**530**	**570**					
Methylene Chloride	5	50,000	50,000	<1,000	<1,000	<100	<100	<1,300	<1,300					
Methyl tert-Butyl Ether	70	50,000	50,000	<200	<200	<100	<100	<250	<250					
trans-1,2-Dichloroethene	100	20,000	50,000	<150	<150	<100	<100	<250	<250					
1,1-Dichloroethene	70	9,000	50,000	**580**	**550**	**640**	**490**	**600**	**580**					
cis-1,2-Dichloroethene	70	30,000	50,000	<100	<100	<100	<100	<250	<250					
1,1,1-Trichloroethane	200	4,000	50,000	**590**	**510**	**540**	**500**	**600**	**610**					
Trichloroethene	5	300	20,000	**5,400**	**4,600**	**5,500**	**4,800**	**5,500**	**5,500**					
Toluene	1,000	6,000	50,000	<150	<150	<100	<100	<250	<250					
Tetrachloroethene	5	3,000	5,000	**9,700**	**7,700**	**13,000**	**9,400**	**11,000**	**11,000**					
Xylenes	10,000	6,000	50,000	<100	<100	<100	<100	<250	<250					
Total VOCs				***16,770***	***13,850***	***20,140***	***15,670***	***18,330***	***18,260***					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 15S (Total Depth = 14 feet/Screened Interval = 4-14 feet [sand])

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5					
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<10.0	Not Tested	<5	<5					
Acetone	3,000	50,000	50,000	<5.0	<5.0	<20.0	<10	<10	<10					
1,1-Dichloroethene	7	1	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5					
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<5.0	<2.5	<2.5	<2.5					
Methyl tert-Butyl Ether	70	50,000	50,000	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5					
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5					
1,1-Dichloroethane	70	9,000	50,000	**2.9**	<0.75	<1.0	<0.5	**2**	<0.5					
cis-1,2-Dichloroethene	70	30,000	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5					
1,1,1-Trichloroethane	200	4,000	50,000	**2.4**	<0.50	<1.0	**4**	**0.6**	<0.5					
Trichloroethene	5	300	20,000	**0.94**	<0.50	<1.0	**2**	<0.5	<0.5					
Toluene	1,000	6,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5					
Tetrachloroethene	5	3,000	5,000	**3.5**	<0.50	<1.0	**9**	<0.5	<0.5					
Xylenes	10,000	6,300	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5					
Total VOCs				***9.74***	***Not Detected***	***Not Detected***	***15.0***	***2.6***	***Not Detected***					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 15D (Total Depth = 34 feet/Screened Interval = 19-34 feet [bll])

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5					
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<10.0	Not Tested	<5	<5					
Acetone	3,000	50,000	50,000	<5.0	<5.0	<20.0	<10	<10	<10					
1,1-Dichloroethene	7	1	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5					
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<5.0	<2.5	<2.5	<2.5					
Methyl tert-Butyl Ether	70	50,000	50,000	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5					
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5					
1,1-Dichloroethane	70	9,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5					
cis-1,2-Dichloroethene	70	30,000	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5					
1,1,1-Trichloroethane	200	4,000	50,000	<0.50	<0.50	<1.0	3	<0.5	<0.5					
Trichloroethene	5	300	20,000	0.83	<0.50	<1.0	2	<0.5	<0.5					
Toluene	1,000	6,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5					
Tetrachloroethene	5	3,000	5,000	3.6	<0.50	<1.0	8	<0.5	<0.5					
Xylenes	10,000	6,000	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5					
Total VOCs				*4.43*	*Not Detected*	*Not Detected*	*13.0*	*Not Detected*	*Not Detected*					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5					
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<10.0	Not Tested	<5	<5					
Acetone	3,000	50,000	50,000	<5.0	<5.0	<20.0	<10	<10	<10					
1,1-Dichloroethene	7	1	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5					
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<5.0	<2.5	<2.5	<2.5					
Methyl tert-Butyl Ether	70	50,000	50,000	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5					
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5					
1,1-Dichloroethane	70	9,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5					
cis-1,2-Dichloroethene	70	30,000	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5					
1,1,1-Trichloroethane	200	4,000	50,000	<0.50	<0.50	<1.0	4	<0.5	<0.5					
Trichloroethene	5	300	20,000	**0.78**	<0.50	<1.0	3	<0.5	<0.5					
Toluene	1,000	6,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5					
Tetrachloroethene	5	3,000	5,000	**2.8**	<0.50	<1.0	9	<0.5	<0.5					
Xylenes	10,000	6,000	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5					
Total VOCs				*3.58*	*Not Detected*	*Not Detected*	*16.0*	*Not Detected*	*Not Detected*					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are on micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in **bold** script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	<2,000	<2,000	<500	<1,000	Not Tested	<500					
Chloroethane	NAS	NAS	NAS	<2,000	< 2,000	<500	<1,000	Not Tested	<500					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<5,000	<5,000	<5,000	Not Tested	Not Tested	<5,000					
Acetone	3,000	50,000	50,000	<10,000	<10,000	<10,000	<20,000	Not Tested	<10,000					
1,1-Dichloroethene	7	1	50,000	**5,500**	**6,300**	**4,300**	**4,400**	Not Tested	**4,000**					
Methylene Chloride	5	50,000	50,000	**56,000**	**44,000**	**25,000**	**38,000**	Not Tested	**23,000**					
Methyl tert-Butyl Ether	70	50,000	50,000	<2,000	<2,000	<500	<1,000	Not Tested	<500					
trans-1,2-Dichloroethene	100	20,000	50,000	<1,500	<1,500	<500	<1,000	Not Tested	<500					
1,1-Dichloroethane	70	9,000	50,000	<1,500	<1,500	**710**	<1,000	Not Tested	**630**					
cis-1,2-Dichloroethene	70	30,000	50,000	**10,000**	**14,000**	**30,000**	**17,000**	Not Tested	**29,000**					
1,1,1-Trichloroethane	200	4,000	50,000	**45,000**	**39,000**	**16,000**	**29,000**	Not Tested	**25,000**					
Trichloroethene	5	300	20,000	**52,000**	**48,000**	**26,000**	**35,000**	Not Tested	**25,000**					
Toluene	1,000	6,000	50,000	<1,500	<1,500	<500	<1,000	Not Tested	<500					
Tetrachloroethene	5	3,000	5,000	**79,000**	**94,000**	**32,000**	**55,000**	Not Tested	**30,000**					
Xylenes	10,000	6,000	50,000	<1,000	<1,000	<500	<1,000	Not Tested	<500					
Total VOCs				***247,500***	***245,300***	***134,010***	***178,400***	Not Tested	**136,630**					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = PZ – 1S (Total Depth = Unknown/Screened Interval = Unknown)

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	<1.0	<1.0	<1.0	Not Tested	Not Tested	Not Tested					
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	<1.0	Not Tested	Not Tested	Not Tested					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<10.0	Not Tested	Not Tested	Not Tested					
Acetone	3,000	50,000	50,000	<5.0	<5.0	<20.0	Not Tested	Not Tested	Not Tested					
1,1-Dichloroethene	7	1	50,000	<0.50	<0.50	<1.0	Not Tested	Not Tested	Not Tested					
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<5.0	Not Tested	Not Tested	Not Tested					
Methyl tert-Butyl Ether	70	50,000	50,000	1.5	1.2	2.0	Not Tested	Not Tested	Not Tested					
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<1.0	Not Tested	Not Tested	Not Tested					
1,1-Dichloroethane	70	9,000	50,000	<0.75	<0.75	<1.0	Not Tested	Not Tested	Not Tested					
cis-1,2-Dichloroethene	70	30,000	50,000	<0.50	<0.50	<1.0	Not Tested	Not Tested	Not Tested					
1,1,1-Trichloroethane	200	4,000	50,000	<0.50	<0.50	<1.0	Not Tested	Not Tested	Not Tested					
Trichloroethene	5	300	20,000	<0.50	<0.50	<1.0	Not Tested	Not Tested	Not Tested					
Toluene	1,000	6,000	50,000	<0.75	<0.75	<1.0	Not Tested	Not Tested	Not Tested					
Tetrachloroethene	5	3,000	5,000	<0.50	<0.50	<1.0	Not Tested	Not Tested	Not Tested					
Xylenes	10,000	6,000	50,000	<0.50	<0.50	<1.0	Not Tested	Not Tested	Not Tested					
Total VOCs				1.5	1.2	2.0	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					
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in milligrams per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: **ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS**

Well ID = PZ – 2S (Total Depth = Unknown/Screened Interval = Unknown)

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	17	10	<10	Not Tested	Not Tested	Not Tested					
Chloroethane	NAS	NAS	NAS	<10	<10	<10	Not Tested	Not Tested	Not Tested					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<25	<25	<100	Not Tested	Not Tested	Not Tested					
Acetone	3,000	50,000	50,000	<50	<50	<200	Not Tested	Not Tested	Not Tested					
1,1-Dichloroethene	7	1	50,000	100	39	55	Not Tested	Not Tested	Not Tested					
Methylene Chloride	5	50,000	50,000	<50	<50	<50	Not Tested	Not Tested	Not Tested					
Methyl tert-Butyl Ether	70	50,000	50,000	<10	<10	<10	Not Tested	Not Tested	Not Tested					
trans-1,2-Dichloroethene	100	20,000	50,000	<7.5	<7.5	<10	Not Tested	Not Tested	Not Tested					
1,1-Dichloroethane	70	9,000	50,000	56	29	53	Not Tested	Not Tested	Not Tested					
cis-1,2-Dichloroethene	70	30,000	50,000	280	160	160	Not Tested	Not Tested	Not Tested					
1,1,1-Trichloroethane	200	4,000	50,000	<5.0	<5.0	<10	Not Tested	Not Tested	Not Tested					
Trichloroethene	5	300	20,000	440	20	<10	Not Tested	Not Tested	Not Tested					
Toluene	1,000	6,000	50,000	<7.5	<7.5	<10	Not Tested	Not Tested	Not Tested					
Tetrachloroethene	5	3,000	5,000	41	3.8	<10	Not Tested	Not Tested	Not Tested					
Xylenes	10,000	6,000	50,000	<5.0	<5.0	<10	Not Tested	Not Tested	Not Tested					
Total VOCs				*934*	*261.8*	*268.0*	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					
EPH nC19 - nC30 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<0.5	Not Tested	<10					
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	Not Tested	<10					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100					
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<10	Not Tested	<200					
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	<0.5	Not Tested	<10					
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	Not Tested	<52					
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	Not Tested	<10					
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	0.8	Not Tested	<10					
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	Not Tested	<10					
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	Not Tested	<10					
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	8	Not Tested	49					
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	5	Not Tested	86					
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	Not Tested	<10					
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	20	Not Tested	740					
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	0.73	Not Tested	<10					
Total VOCs				Not Tested	Not Tested	Not Tested	*137*	Not Tested	*875.0*					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 2S (Total Depth = 15 feet/Screened Interval = 5-15 feet)

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10					
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	<5	<100					
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<10	<10	<200					
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	3	<0.5	<10					
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<52					
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10					
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10					
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	33	0.8	<10					
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10					
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	82	1	50					
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	4	3	50					
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10					
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	15	15	540					
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10					
								1,4-DCB = 0.5						
Total VOCs				Not Tested	Not Tested	Not Tested	*137*	*20.3*	*640.0*					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are on micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

1,4-DCB = 1,4-Dichlorobenzene

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 2D (Total Depth = 45 feet/Screened Interval = 15-45 feet)

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<0.5	<1	<5					
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	<1	<5					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	<10	<50					
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<10	<20	<100					
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	<0.5	4	<5					
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<5	<50					
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<1	<5					
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<1	<5					
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	21	<5					
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	1	<1	<5					
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	10	75	18					
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	6	1	32					
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	0.7	<1	<5					
Tetrachloroethane	5	3,000	5,000	Not Tested	Not Tested	Not Tested	20	9	37					
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	1	<1	<5					
Total VOCs				Not Tested	Not Tested	Not Tested	*36.7*	*110.0*	*420*					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<2.5					
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<2.5					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	<25	<25					
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<50	<50	<50					
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<2.5					
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<13	<13	<13					
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<2.5					
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<2.5					
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<2.5					
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	5	19	4					
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	42	57	14					
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	24	74	35					
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<2.5					
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	100	220	190					
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	4	<2.5	<2.5					
							Chloroform = 3	Chloroform = 19						
Total VOCs				Not Tested	Not Tested	Not Tested	176.0	389.0	*243.0*					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100					
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	**2,900**	2,000					
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<2,000	<2,000					
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<100	320					
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<500	4,700					
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100					
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100					
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	160	160					
cis-1,2-Dichloroethene	70	30,000	60,000	Not Tested	Not Tested	Not Tested	Not Tested	**9,100**	9,000					
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<100	530					
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	540	2,100					
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100					
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	**5,300**	**5,900**					
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100					
1,2,4-Trimethylbenzene	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	210	160					
Naphthalene	20	6,000	6,000	Not Tested	Not Tested	Not Tested	Not Tested	110	100					
Total VOCs				Not Tested	Not Tested	Not Tested	Not Tested	***18,220***	***24,990***					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<2.5	<500	<500					
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<2.5	<500	<500					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	<2,500	<5,000					
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<50	<5,000	<10,000					
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	<2.5	340	1,700					
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<13	<1,300	5,800					
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<500	<500					
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<500	<500					
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<500	500					
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	63	10,000	40,000					
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	7	7,200	23,000					
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	25	11,000	<500					
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<500	<500					
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	130	11,000	<500					
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<500	<500					
Total VOCs				Not Tested	Not Tested	Not Tested	*225*	*39,540*	*70,800*					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 6 (Total Depth = 40 feet/Screened Interval = 10-40 feet)

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<1,000	<1,000	<500					
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<1,000	<1,000	<500					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	13,000	12,000					
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<20,000	<20,000	<5,000					
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	3,700	2,000	2,400					
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<5,000	<5,000	6,600					
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<1,000	<1,000	<500					
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<1,000	<1,000	<500					
1,1-Dichloroethane	70	8,000	50,000	Not Tested	Not Tested	Not Tested	<1,000	<1,000	<500					
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	28,000	42,000	32,000					
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	57,000	63,000	38,000					
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	18,000	4,300	13,000					
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<1,000	<1,000	<500					
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	35,000	6,000	13,000					
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	1,000	<1,000	<500					
Total VOCs				Not Tested	Not Tested	Not Tested	*142,700*	*130,300*	*115,000*					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	2	0.8	<10					
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.6	<0.5	<10					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	<5	<100					
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<10	<10	<200					
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	3	4	<10					
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<52					
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10					
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	0.7	<0.5	<10					
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	9	4	<10					
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	4	3	<10					
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	8	<0.5	33					
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	5	2	58					
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	0.8	0.8	<10					
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	18	10	570					
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	5	9	<10					
Ethylbenzene	700	30,000	4,000	Not Tested	Not Tested	Not Tested	7	<0.5	<10					
Diethyl Ether	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	10	<10					
Isopropylbenzene	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	3	<10					
n-Propylbenzene	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	4	<10					
1,3,5-Trimethylbenzene	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	5	<10					
1,2,4-Trimethylbenzene	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	22	15					
sec-Butylbenzene	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	1	<10					
4-Isopropyltoluene	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	2	<10					
1,2-Dichlorobenzene	600	10,000	8,000	Not Tested	Not Tested	Not Tested	<0.5	1	<10					
Naphthalene	20	6,000	6,000	Not Tested	Not Tested	Not Tested	<0.5	4	<10					
Total VOCs				Not Tested	Not Tested	Not Tested	62.5	85.6	677.0					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 8S (Total Depth = 15 feet/Screened Interval = 5-15 feet)

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50					
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	570					
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000					
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	80					
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<250					
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50					
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50					
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50					
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	1,800					
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	690					
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	2,700					
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50					
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	1,200					
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50					
Total VOCs				Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	*7,040*					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 8D (Total Depth = 55 feet/Screened Interval = 45-55 feet)

				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					
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500					
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500					
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<25,000					
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50,000					
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500					
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<13,000					
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500					
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500					
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500					
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500					
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	22,000					
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	14,000					
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500					
Tetrachloroethene	5	3,000	6,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	110,000					
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500					
Total VOCs				Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	***146,000***					
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 nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				Sample Data										
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			
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<50	Not Tested	Not Tested	<250	Not Tested			
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<50	Not Tested	Not Tested	<250	Not Tested			
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<500	Not Tested	Not Tested	<2,500	Not Tested			
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<1,000	Not Tested	Not Tested	<5,000	Not Tested			
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	60	Not Tested	Not Tested	1,500	Not Tested			
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<250	Not Tested	Not Tested	3,100	Not Tested			
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<50	Not Tested	Not Tested	<250	Not Tested			
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<50	Not Tested	Not Tested	<250	Not Tested			
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	<50	Not Tested	Not Tested	410	Not Tested			
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	490	Not Tested	Not Tested	26,000	Not Tested			
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	290	Not Tested	Not Tested	18,000	Not Tested			
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	3,800	Not Tested	Not Tested	7,300	Not Tested			
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<50	Not Tested	Not Tested	<250	Not Tested			
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	820	Not Tested	Not Tested	4,900	Not Tested			
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<50	Not Tested	Not Tested	<250	Not Tested			
Total VOCs				-	-	-	*5,160*	-	-	*61,210*	-			
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			
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			
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			

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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			
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<250	<250	<250	<250	Not Tested			
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<250	<250	<250	<250	Not Tested			
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	4,100	3,700	<2,500	2,700	Not Tested			
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<5000	<5000	<5,000	<5,000	Not Tested			
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	820	750	530	1,000	Not Tested			
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	6,100	6,100	4,300	5,200	Not Tested			
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<250	<250	<250	<250	Not Tested			
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<250	<250	<250	<250	Not Tested			
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	310	<250	320	340	Not Tested			
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			
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	9,600	8,800	7,200	13,000	Not Tested			
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	4,700	6,700	5,100	5,900	Not Tested			
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<250	<250	<250	<250	Not Tested			
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	13,000	10,000	8,000	8,100	Not Tested			
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<250	<250	<250	<250	Not Tested			
Total VOCs				-	-	-	*51,530*	*50,050*	*38,450*	*59,240*	-			
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			
EPH nC19 - nC30 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
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			

Results are on micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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			
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			
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000	Not Tested			
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**18,000**	**13,000**	Not Tested			
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<20,000	<20,000	Not Tested			
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**6,500**	**4,900**	Not Tested			
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**24,000**	**12,000**	Not Tested			
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			
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			
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000	Not Tested			
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	45,000	48,000	Not Tested			
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	92,000	89,000	Not Tested			
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**38,000**	**29,000**	Not Tested			
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000	Not Tested			
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	32,000	35,000	Not Tested			
Xylenes	10,000	5,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000	Not Tested			
Total VOCs	-	-	-	-	-	-	-	-	*255,800*	*227,900*	-			
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			
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			
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			

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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			
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	270	<500	<500	<250	Not Tested			
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<250	<500	<500	<250	Not Tested			
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<2,500	<5,000	<5,000	<2,500	Not Tested			
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<5000	<10,000	<10,000	<5000	Not Tested			
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	**290**	**680**	**520**	**520**	Not Tested			
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<1,300	<2,500	<2,500	<1,300	Not Tested			
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<250	<500	<500	<250	Not Tested			
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<250	<500	<500	<250	Not Tested			
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	<250	<500	<500	<250	Not Tested			
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			
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	**3,400**	**16,000**	**7,200**	**8,900**	Not Tested			
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	**20,000**	**32,000**	**21,000**	**23,000**	Not Tested			
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<250	<500	<500	<250	Not Tested			
Tetrachloroethene	5	3,000	6,000	Not Tested	Not Tested	Not Tested	**7,400**	**34,000**	**16,000**	**19,000**	Not Tested			
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<250	<500	<500	<250	Not Tested			
Total VOCs				-	-	-	***44,360***	***96,680***	***58,720***	***65,420***	-			
Petroleum Hydrocarbons														
EPH nC8 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
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			
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			

Results are on micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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			
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			
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
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			
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			
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
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			
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			
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
Xylenes	10,000	8,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
Total VOCs				-	-	-	-	-	-	-	-			
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			
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			
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			

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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			
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			
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000			
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<10,000			
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<20,000			
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**3,300**			
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**25,000**			
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			
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			
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**1,400**			
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**			
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**7,600**			
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**20,000**			
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000			
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**83,000**			
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000			
Total VOCs				-	-	-	-	-	-	-	***152,500***			
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			
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			
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			

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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			
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			
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
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			
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			
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
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			
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			
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
Total VOCs				-	-	-	-	-	-	-	-			
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			
EPH nC19 - nC32 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested			
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			

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 7: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

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

				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			
Volatile Organic Compounds														
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100			
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100			
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000			
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,000			
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	100			
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<500			
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100			
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100			
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100			
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	1,500			
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	810			
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	2,300			
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100			
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	5,000			
Xylenes	10,000	8,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100			
Total VOCs	-	-	-	-	-	-	-	-	-	-	*9,810*			
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			
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			
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			

Results are on micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard

TABLE 6a: 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
Recovery Well No. 1 (RW – 1)	11.16.05	< 50	< 50	< 1,000	80	< 250	< 50	< 50	490	290	3,500	< 50	820	< 50	< 50	<500	5,180
	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	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	-
	10.04.06	< 250	< 250	< 5,000	1,500	3,100	< 250	410	26,000	18,000	7,300	<250	4,900	<250	<250	< 2,500	61,210
	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	-
Recovery Well No. 2 (RW – 2)	11.16.05	< 250	< 250	< 5,000	820	6,100	< 250	310	13,000	9,800	4,700	< 250	13,000	< 250	< 250	4,100	51,630
	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	< 250	< 250	< 5,000	750	6,100	< 250	< 250	14,000	8,800	6,700	< 250	10,000	< 250	< 250	3,700	50,050
	06.15.06	< 250	< 250	< 5,000	530	4,300	< 250	320	13,000	7,200	5,100	< 250	8,000	< 250	< 250	< 2,500	38,450
	10.04.06	< 250	< 250	< 5,000	1,000	5,200	< 250	340	23,000	13,000	5,900	< 250	6,100	< 250	< 250	2,700	59,240
	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	-
Recovery Well No. 3 (RW – 3)	11.16.05	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	-
	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	< 1,000	< 1,000	< 20,000	6,800	24,000	< 1,000	< 1,000	45,000	92,000	38,000	< 1,000	32,000	< 1,000	< 1,000	18,000	255,000
	10.04.06	< 1,000	< 1,000	< 20,000	4,900	12,000	< 1,000	< 1,000	46,000	89,000	26,000	< 1,000	35,000	< 1,000	< 1,000	13,000	227,000
	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	-
Recovery Well No. 4 (RW – 4)	11.16.05	270	< 250	< 5,000	290	< 1,300	< 250	< 250	13,000	3,400	20,000	< 250	7,400	< 250	< 250	< 2,500	44,360
	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	< 500	< 500	< 10,000	680	< 2,500	< 500	< 500	14,000	16,000	32,000	< 500	34,000	< 500	< 500	< 5,000	96,680
	06.15.06	< 500	< 500	< 10,000	520	< 2,500	< 500	< 500	14,000	7,200	21,000	< 500	16,000	< 500	< 500	< 5,000	58,720
	10.04.06	< 250	< 250	< 5,000	520	< 1,300	< 250	< 250	14,000	8,900	23,000	< 250	19,000	< 250	< 250	< 2,500	65,420
	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	-
Bioreactor No. 1 (Bio-1) EFFLUENT	11.16.05	< 100	< 100	< 2,000	370	2,000	< 100	150	8,300	4,000	8,800	< 100	6,500	< 100	< 100	1,500	31,720
	12.05.05	< 250	< 250	< 5,000	430	2,800	< 250	< 250	12,000	5,500	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	9,700	< 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	28,000	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	-
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	-
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	16,000	< 500	< 500	< 5,000	98,100
	10.04.06	< 500	< 500	< 10,000	1,800	4,900	< 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	-
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	8,600	< 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	-
Carbon Vessel No. 2 (CV – 2) EFFLUENT	11.16.05	73	< 50	< 1,000	61	2,400	< 50	53	1,500	750	830	< 50	520	< 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	-

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

TABLE 8b: ANALYTICAL TEST RESULTS – OFFSITE GARAGE/ABANDONED FIELD ROAD AREA TREATMENT SYSTEM

		ANALYTE															
Sample Location	**Sample Date**	**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**
Recovery Well No. 5S (RW – 5S)	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	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	-
Recovery Well No. 5D (RW – 5D)	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	< 1,000	< 1,000	< 20,000	3,300	25,000	< 1,000	1,400	12,000	7,800	20,000	< 1,000	83,000	< 1,000	< 1,000	< 10,000	152,500
Recovery Well No. 6 (RW – 6)	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	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	-
Recovery Well No. 7 (RW – 7)	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	100	< 500	< 100	< 100	1,600	810	2,300	< 100	5,000	< 100	< 100	< 1,000	9,800
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
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
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	890	7,400	< 250	400	4,600	2,000	5,800	< 250	19,000	< 250	< 250	< 2,500	39,890
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	20,570
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

Concentrations are in parts per micrograms per liter (ug/L) or parts per billion (ppb)
BMDL = Below Method Detection Limits of the analysis

"<" = Method Detection Limit of the analysis
NT = Not Tested

Detectable concentrations appear in **Bold** script
Samples were analyzed by Groundwater Analytical

TABLE 9: 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 (62)	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	1.8	< 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	19	< 200	38	< 50	< 10	[redacted]	950	[redacted]	43	< 250	< 10	10	< 10	< 10		1,519
SW-10	07.08.04	330	350	< 50	< 5.0	< 50	< 7.5	[redacted]	300	35	< 5.0	< 2,500	< 7.5	< 5.0	< 5.0	< 25		1,395
	12.20.04	110	< 10	< 50	29	< 50	17	[redacted]	> 1,000	[redacted]	53	< 2,500	< 7.5	8.5	< 5.0	< 25		> 1,494.50
	06.24.05	110	270	< 100	< 5	<25	< 5	[redacted]	200	23	< 5	< 250	21	< 5	< 5	< 5		934
	08.01.06	120	55	< 200	< 10	< 50	< 10	[redacted]	250	[redacted]	< 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

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Web Engineering

Address: 104 Longwater Drive

Norwell, MA 02061

Attn: Mr. M.J. Hudson

Project Number: 04-E-005

Site: GENERAL CHEMICAL

Laboratory Job Number: L0407446

Date Received: 09-JUL-2004

Date Reported: 16-JUL-2004

Delivery Method: Client

The following questions pertain only to MCP Analytical Methods

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

A.	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B.	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D.	**VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	NA

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

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

Any answers of NO to the above questions are addressed in the case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean
This document electronically signed

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Web Engineering

Address: 104 Longwater Drive

Norwell, MA 02061

Attn: Mr. M.J. Hudson

Project Number: 04-E-005

Site: GENERAL CHEMICAL

Laboratory Job Number: L0407446

Date Received: 09-JUL-2004

Date Reported: 16-JUL-2004

Delivery Method: Client

The following questions pertain only to MCP Analytical Methods

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

A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	NA

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

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

Any answers of NO to the above questions are addressed in the case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean
This document electronically signed

ALPHA ANALYTICAL LABORATORIES

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

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

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0407446

Volatile Organics

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

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

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

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

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

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

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

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0407446-01
GZ-1
Sample Matrix: WATER

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

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

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

Laboratory Sample Number: L0407446-01
GZ-1

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0407446-02
GZ-7
Sample Matrix: WATER

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

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

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

Laboratory Sample Number: L0407446-02
GZ-7

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

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

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

Laboratory Sample Number: L0407446-03
GZ-7R

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

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	107.	%	70-130
Toluene-d8	100.	%	70-130
4-Bromofluorobenzene	118.	%	70-130
Dibromofluoromethane	105.	%	70-130

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

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

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

Laboratory Sample Number: L0407446-04
GZ-5S

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0407446-05	**Date Collected:**	07-JUL-2004 14:50
	GZA-14S	**Date Received :**	09-JUL-2004
Sample Matrix:	WATER	**Date Reported :**	16-JUL-2004
Condition of Sample:	Satisfactory	**Field Prep:**	None

Number & Type of Containers: 3-Vial

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-05
GZA-14S

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

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

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

Laboratory Sample Number: L0407446-06
GZA-14M

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA036 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0407446-07	**Date Collected:**	08-JUL-2004 08:05
	GZ-2	**Date Received :**	09-JUL-2004
Sample Matrix:	WATER	**Date Reported :**	16-JUL-2004
Condition of Sample:	Satisfactory	**Field Prep:**	None

Number & Type of Containers: 3-Vial

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

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

Laboratory Sample Number: L0407446-07
GZ-2

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

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

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

ALPHA ANALYTICAL LABCRATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0407446-08	**Date Collected:**	08-JUL-2004 10:10
	GZ-15S	**Date Received :**	09-JUL-2004
Sample Matrix:	WATER	**Date Reported :**	16-JUL-2004
Condition of Sample:	Satisfactory	**Field Prep:**	None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0713 14.25	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	2.9	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	3.5	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	2.4	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	0.94	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-08
GZ-15S

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

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

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

Laboratory Sample Number: L0407446-09
GZ-15D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0713 15:00	RX
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

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

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

Laboratory Sample Number: L0407446-10
GZ-15R

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0407446-11	Date Collected:	08-JUL-2004 13:05
	GZ-19DD	Date Received :	09-JUL-2004
Sample Matrix:	WATER	Date Reported :	16-JUL-2004
Condition of Sample:	Satisfactory	Field Prep:	None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60.8260B		0713 16:10	RY
Methylene chloride	56000	ug/l	10000				
1,1-Dichloroethane	ND	ug/l	1500				
Chloroform	ND	ug/l	1500				
Carbon tetrachloride	ND	ug/l	1000				
1,2-Dichloropropane	ND	ug/l	3500				
Dibromochloromethane	ND	ug/l	1000				
1,1,2-Trichloroethane	ND	ug/l	1500				
Tetrachloroethene	79000	ug/l	1000				
Chlorobenzene	ND	ug/l	1000				
Trichlorofluoromethane	ND	ug/l	5000				
1,2-Dichloroethane	ND	ug/l	1000				
1,1,1-Trichloroethane	45000	ug/l	1000				
Bromodichloromethane	ND	ug/l	1000				
trans-1,3-Dichloropropene	ND	ug/l	1000				
cis-1,3-Dichloropropene	ND	ug/l	1000				
1,1-Dichloropropene	ND	ug/l	5000				
Bromoform	ND	ug/l	4000				
1,1,2,2-Tetrachloroethane	ND	ug/l	1000				
Benzene	ND	ug/l	1000				
Toluene	ND	ug/l	1500				
Ethylbenzene	ND	ug/l	1000				
Chloromethane	ND	ug/l	5000				
Bromomethane	ND	ug/l	2000				
Vinyl chloride	ND	ug/l	2000				
Chloroethane	ND	ug/l	2000				
1,1-Dichloroethene	5500	ug/l	1000				
trans-1,2-Dichloroethene	ND	ug/l	1500				
Trichloroethene	52000	ug/l	1000				
1,2-Dichlorobenzene	ND	ug/l	5000				
1,3-Dichlorobenzene	ND	ug/l	5000				
1,4-Dichlorobenzene	ND	ug/l	5000				
Methyl tert butyl ether	ND	ug/l	2000				
p/m-Xylene	ND	ug/l	1000				
o-Xylene	ND	ug/l	1000				
cis-1,2-Dichloroethene	10000	ug/l	1000				
Dibromomethane	ND	ug/l	10000				
1,2,3-Trichloropropane	ND	ug/l	10000				
Styrene	ND	ug/l	1000				

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

Laboratory Sample Number: L0407446-11
GZ-19DD

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0713 16:10	RY
Dichlorodifluoromethane	ND	ug/l	10000				
Acetone	ND	ug/l	10000				
Carbon disulfide	ND	ug/l	10000				
2-Butanone	ND	ug/l	10000				
4-Methyl-2-pentanone	ND	ug/l	10000				
2-Hexanone	ND	ug/l	10000				
Bromochloromethane	ND	ug/l	5000				
Tetrahydrofuran	ND	ug/l	20000				
2,2-Dichloropropane	ND	ug/l	5000				
1,2-Dibromoethane	ND	ug/l	4000				
1,3-Dichloropropane	ND	ug/l	5000				
1,1,1,2-Tetrachloroethane	ND	ug/l	1000				
Bromobenzene	ND	ug/l	5000				
n-Butylbenzene	ND	ug/l	1000				
sec-Butylbenzene	ND	ug/l	1000				
tert-Butylbenzene	ND	ug/l	5000				
o-Chlorotoluene	ND	ug/l	5000				
p-Chlorotoluene	ND	ug/l	5000				
1,2-Dibromo-3-chloropropane	ND	ug/l	5000				
Hexachlorobutadiene	ND	ug/l	2000				
Isopropylbenzene	ND	ug/l	1000				
p-Isopropyltoluene	ND	ug/l	1000				
Naphthalene	ND	ug/l	5000				
n-Propylbenzene	ND	ug/l	1000				
1,2,3-Trichlorobenzene	ND	ug/l	5000				
1,2,4-Trichlorobenzene	ND	ug/l	5000				
1,3,5-Trimethylbenzene	ND	ug/l	5000				
1,2,4-Trimethylbenzene	ND	ug/l	5000				
Ethyl ether	ND	ug/l	5000				
Isopropyl Ether	ND	ug/l	4000				
Ethyl-Tert-Butyl-Ether	ND	ug/l	4000				
Tertiary-Amyl Methyl Ether	ND	ug/l	4000				
1,4-Dioxane	ND	ug/l	500000				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	119.	%	70-130
Toluene-d8	95.0	%	70-130
4-Bromofluorobenzene	105.	%	70-130
Dibromofluoromethane	116.	%	70-130

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0407446-12	**Date Collected:**	08-JUL-2004 12:45
	PZ-1S	**Date Received :**	09-JUL-2004
Sample Matrix:	WATER	**Date Reported :**	16-JUL-2004
Condition of Sample:	Satisfactory	**Field Prep:**	None

Number & Type of Containers: 3-Vial

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

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

Laboratory Sample Number: L0407446-12
PZ-1S

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0407446-13	**Date Collected:**	08-JUL-2004 12:55
	PZ-2S	**Date Received :**	09-JUL-2004
Sample Matrix:	WATER	**Date Reported :**	16-JUL-2004
Condition of Sample:	Satisfactory	**Field Prep:**	None

Number & Type of Containers: 3-Vial

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

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

Laboratory Sample Number: L0407446-13
PZ-2S

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0407446-14
SW-10
Sample Matrix: WATER

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

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

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

Laboratory Sample Number: L0407446-14
SW-10

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

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

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

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0713 16:30	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	121.	%	70-130
Toluene-d8	98.0	%	70-130
4-Bromofluorobenzene	103.	%	70-130
Dibromofluoromethane	116.	%	70-130

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0407446-16
SW-3
Sample Matrix: WATER

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-16
SW-3

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

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

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

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

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number:	L0407446-18	**Date Collected:**	25-JUN-2004 14:10
	TRIP BLANK	**Date Received :**	09-JUL-2004
Sample Matrix:	WATER	**Date Reported :**	16-JUL-2004
Condition of Sample:	Satisfactory	**Field Prep:**	None

Number & Type of Containers: 1-Vial

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-18
TRIP BLANK

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

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

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

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

ALPHA ANALYTICAL LABCRATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

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

ALPHA ANALYTICAL LABCRATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

[redacted]boratory Job Number: L0407446

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

[redacted]boratory Job Number: L0407446

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407446

Continued

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

Laboratory Job Number: L0407446

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02-05 (WG175549-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0713 09:34	RY
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407446

Continued

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

Laboratory Job Number: L0407446

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407446

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407446

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407446

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407446

Continued

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

REFERENCES

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

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

[redacted]boratory Job Number: L0407446

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0407446-01A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-01B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-01C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-02A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-02B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-02C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-03A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-03B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-03C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-04A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
[redacted]407446-04B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
[redacted]07446-04C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-05A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-05B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-05C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-06A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-06B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-06C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-07A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-07B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-07C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-08A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-08B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-08C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-09A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-09B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-09C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-10A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-10B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-10C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-11A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-11B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-11C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-12A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-12B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-12C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-13A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-13B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
[redacted]407446-13C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
[redacted]7446-14A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-14B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0407446

Continued

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

Container Comments

Container ID	Comments

CHAIN OF CUSTODY PAGE 1 OF 2

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

Client Information

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

☐ These samples have been previously analyzed by Alpha

Project Information

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

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 7-14-04 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information

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

Regulatory Requirements/Report Limits

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

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 B VOCs	Sample Specific Comments	Total # Bottles
04461	GZ-1	7-7-04	9:45	MW	MJH	X		3
2	GZ-7	7-7-04	11:15	MW	MJH	X		3
3	GZ-7R	7-7-04	12:15	MW	MJH	X		3
4	GZ-5S	7-7-04	1:40	MW	MJH	X		3
5	GZA-14S	7-7-04	2:50	MW	MJH	X		3
6	GZA-14M	7-7-04	3:40	MW	MJH	X		3
7	GZ-2	7-8-04	8:05	MW	MJH	X		3
8	GZ-15S	7-8-04	10:10	MW	MJH	X		3
9	GZ-15D	7-8-04	10:50	MW	MJH	X		3
					Container Type	V		
					Preservative	B		

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

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP ?

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

Release of liability signature required. Complete sections A, B, C and D. Under the penalty of perjury, I certify that all samples submitted on this chain of custody were collected in accordance with the applicable protocol. See reverse side.

FORM NO: 01-01

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab:

ALPHA Job #: L4407616

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

Client Information

Client: WEB ENGINEERING
Address: 104 LONGWATER DR. NORWELL, MA 02061
Phone: 781-844-8329
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

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

Turn-Around Time

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

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 04-E-005

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
MA MCP	GW-1

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

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

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: 8260 B VOCs

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 B VOCs	Sample Specific Comments	TOTAL # BOTTLES
144616	GZ-15R	7-8-04	11:45	MW	MJH	X		3
11	GZ-1900	7-8-04	1:05	MW	MJH	X		3
12	PZ-15	7-8-04	12:45	MW	MJH	X		3
13	PZ-25	7-8-04	12:55	MW	MJH	X		3
14	SW-10	7-8-04	1:30	SW	MJH	X		3
15	SW-USA-1	7-8-04	1:45	SW	MJH	X		3
16	SW 3	7-8-04	2:15	SW	MJH	X		3
17	SW-OSC-1	7-8-04	2:20	SW	MJH	X		3
18	TRIPBLANK	6-25-04	2:10		JM	X		
					Container Type	V		
					Preservative	B		

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP ?

Relinquished By:	Date/Time	Received By:	Date/Time
M J Hudson	7-9-04	[signature]	7-9-04 1345

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

FORM NO. 01-01

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

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

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

The following questions pertain only to MCP Analytical Methods

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

A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B. Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	NA

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

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

Any answers of NO to the above questions are addressed in the case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean
This document electronically signed

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

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

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0414232

Volatile Organics

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

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

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

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

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

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

In reference to question E:

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-01
GZA-15R

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-02
GZA-15D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 826CB		1222 20:16 SE	
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-03
GZA-15S

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

Laboratory Sample Number: L0414232-04
GZA-14M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1222 21:29	SE
Dichlorodifluoromethane	ND	ug/l	1000				
Acetone	ND	ug/l	1000				
Carbon disulfide	ND	ug/l	1000				
2-Butanone	ND	ug/l	1000				
4-Methyl-2-pentanone	ND	ug/l	1000				
2-Hexanone	ND	ug/l	1000				
Bromochloromethane	ND	ug/l	500				
Tetrahydrofuran	ND	ug/l	2000				
2,2-Dichloropropane	ND	ug/l	500				
1,2-Dibromoethane	ND	ug/l	400				
1,3-Dichloropropane	ND	ug/l	500				
1,1,1,2-Tetrachloroethane	ND	ug/l	100				
Bromobenzene	ND	ug/l	500				
n-Butylbenzene	ND	ug/l	100				
sec-Butylbenzene	ND	ug/l	100				
tert-Butylbenzene	ND	ug/l	500				
o-Chlorotoluene	ND	ug/l	500				
p-Chlorotoluene	ND	ug/l	500				
1,2-Dibromo-3-chloropropane	ND	ug/l	500				
Hexachlorobutadiene	ND	ug/l	200				
Isopropylbenzene	ND	ug/l	100				
p-Isopropyltoluene	ND	ug/l	100				
Naphthalene	ND	ug/l	500				
n-Propylbenzene	ND	ug/l	100				
1,2,3-Trichlorobenzene	ND	ug/l	500				
1,2,4-Trichlorobenzene	ND	ug/l	500				
1,3,5-Trimethylbenzene	ND	ug/l	500				
1,2,4-Trimethylbenzene	ND	ug/l	500				
Ethyl ether	ND	ug/l	500				
Isopropyl Ether	ND	ug/l	400				
Ethyl-Tert-Butyl-Ether	ND	ug/l	400				
Tertiary-Amyl Methyl Ether	ND	ug/l	400				
1,4-Dioxane	ND	ug/l	50000				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	113.	%	70-130				
Toluene-d8	102.	%	70-130				
4-Bromofluorobenzene	114.	%	70-130				
Dibromofluoromethane	104.	%	70-130				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

Laboratory Sample Number: L0414232-05
GZA-14S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1222 22:05	SE
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
[illegible]sopropyltoluene	ND	ug/l	0.50				
[illegible]phthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	113.	%	70-130
Toluene-d8	100.	%	70-130
4-Bromofluorobenzene	109.	%	70-130
Dibromofluoromethane	105.	%	70-130

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0414232-06
GZA-19DD
Sample Matrix: WATER

Date Collected: 17-DEC-2004 14:30
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1223 10:15	TT
Methylene chloride	44000	ug/l	10000				
1,1-Dichloroethane	ND	ug/l	1500				
Chloroform	ND	ug/l	1500				
Carbon tetrachloride	ND	ug/l	1000				
1,2-Dichloropropane	ND	ug/l	3500				
Dibromochloromethane	ND	ug/l	1000				
1,1,2-Trichloroethane	ND	ug/l	1500				
Tetrachloroethene	94000	ug/l	1000				
Chlorobenzene	ND	ug/l	1000				
Trichlorofluoromethane	ND	ug/l	5000				
1,2-Dichloroethane	ND	ug/l	1000				
1,1,1-Trichloroethane	39000	ug/l	1000				
Bromodichloromethane	ND	ug/l	1000				
trans-1,3-Dichloropropene	ND	ug/l	1000				
cis-1,3-Dichloropropene	ND	ug/l	1000				
1,1-Dichloropropene	ND	ug/l	5000				
Bromoform	ND	ug/l	4000				
1,1,2,2-Tetrachloroethane	ND	ug/l	1000				
Benzene	ND	ug/l	1000				
Toluene	ND	ug/l	1500				
Ethylbenzene	ND	ug/l	1000				
Chloromethane	ND	ug/l	5000				
Bromomethane	ND	ug/l	2000				
Vinyl chloride	ND	ug/l	2000				
Chloroethane	ND	ug/l	2000				
1,1-Dichloroethene	6300	ug/l	1000				
trans-1,2-Dichloroethene	ND	ug/l	1500				
Trichloroethene	48000	ug/l	1000				
1,2-Dichlorobenzene	ND	ug/l	5000				
1,3-Dichlorobenzene	ND	ug/l	5000				
1,4-Dichlorobenzene	ND	ug/l	5000				
Methyl tert butyl ether	ND	ug/l	2000				
p/m-Xylene	ND	ug/l	1000				
o-Xylene	ND	ug/l	1000				
cis-1,2-Dichloroethene	14000	ug/l	1000				
Dibromomethane	ND	ug/l	10000				
1,2,3-Trichloropropane	ND	ug/l	10000				
Styrene	ND	ug/l	1000				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-06
GZA-19DD

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0414232-07
GZ-2
Sample Matrix: WATER

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-07
GZ-2

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1223 10:55	TT
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
[illegible]sopropyltoluene	ND	ug/l	0.50				
[illegible]phthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	83.0	%	70-130				
Toluene-d8	82.0	%	70-130				
4-Bromofluorobenzene	84.0	%	70-130				
Dibromofluoromethane	84.0	%	70-130				
Volatile Organics by MCP 8260B				60 8260B		1227 10:25	TT
Tetrachloroethene	290	ug/l	5.0				
Trichloroethene	120	ug/l	5.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	76.0	%	70-130				
Toluene-d8	82.0	%	70-130				
4-Bromofluorobenzene	85.0	%	70-130				
Dibromofluoromethane	76.0	%	70-130				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1322 16:01	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	4.1	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	13.	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	5.3	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	1.8	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	27.	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	18.	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-08
GZ-5S

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

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	112.	%	70-130
Toluene-d8	105.	%	70-130
4-Bromofluorobenzene	110.	%	70-130
Dibromofluoromethane	97.0	%	70-130

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0414232-09
GZ-7
Sample Matrix: WATER

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-09
GZ-7

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

Laboratory Sample Number: L0414232-10
GZ-7R

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1212 17:13	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0414232-11
GZ-1
Sample Matrix: WATER

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-11
GZ-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1223 21413 RY	
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0414232-12
SW-10
Sample Matrix: WATER

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

Laboratory Sample Number: L0414232-12
SW-10

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0414232-13
SW-3
Sample Matrix: WATER

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

Laboratory Sample Number: L0414232-13
SW-3

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

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

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

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

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-16
PZ-1S

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

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

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

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

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

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

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-17
PZ-2S

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

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

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

[redacted]oratory Job Number: L0414232

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

[redacted]boratory Job Number: L0414232

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

[redacted]boratory Job Number: L0414232

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0414232

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

[redacted]**boratory Job Number: L0414232**

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0414232

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

[redacted]oratory Job Number: L0414232

Continued

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

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ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0414232

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

[redacted]boratory Job Number: L0414232

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 06-07 (WG190326-3)							
Volatile Organics by MCP 8260B continued				60 8260B		1223 07:59	TT
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
[redacted]exachlorobutadiene	ND	ug/l	1.0				
[redacted]opropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	83.0	%	70-130				
Toluene-d8	78.0	%	70-130				
4-Bromofluorobenzene	81.0	%	70-130				
Dibromofluoromethane	85.0	%	70-130				
Blank Analysis for sample(s) 07 (WG190326-6)							
Volatile Organics by MCP 8260B				60 8260B		1227 08:22	TT
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
[redacted]ibromochloromethane	ND	ug/l	0.50				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0414232

Continued

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

[redacted]boratory Job Number: L0414232

Continued

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

[redacted]

REFERENCES

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

GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.

ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

[redacted]boratory Job Number: L0414232

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0414232-01A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-01B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-02A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-02B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-03A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-03B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-04A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-04B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-05A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-05B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-06A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
[redacted]14232-06B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
[redacted]14232-07A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-07B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-08A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-08B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-09A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-09B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-10A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-10B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-11A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-11B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-12A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-12B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-13A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-13B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-14A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-14B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-15A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-15B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-16A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-16B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-17A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-17B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04

Container Comments

Container ID	Comments

CHAIN OF CUSTODY

PAGE ____ OF ____

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

Date Rec'd in Lab: 12/20/04

ALPHA Job #: L2411232

Client Information

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

☐ These samples have been previously analyzed by Alpha

Project Information

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

Turn-Around Time

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

Date Due: 12/28/04 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information - Data Deliverables

☒ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO # 04-E-005

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
MA MCP	GW-1

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

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

ANALYSIS: 8260B VOC

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260B VOC	Sample Specific Comments	TOTAL # BOTTLES
42321	GZA-15R	12-17-04	10:13	GW	BO	X		2
2	GZA-15D		10:43	GW	BO	X		2
3	GZA-15S		11:29	GW	BO	X		2
4	GZA-14M		12:52	GW	BO	X		2
5	GZA-14S		1:30	GW	BO	X		2
6	GZA-19DD		2:30	GW	BO	X		2
7	GZ-2	12-17-04	3:31	GW	BO	X		2
8	GZ-5S	12-20-04	9:41	GW	BO	X		2
9	GZ-7	12-20-04	10:39	GW	BO	X		2
10	GZ-7R	12-20-04	11:33	GW	BO	X		2
							Container Type: V	
							Preservative: B	

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP ?

Relinquished By:	Date/Time	Received By:	Date/Time
Bruce Olson	12-20-04 1PM	Kim Stanley	12/20/04 1545

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

FORM NO. 01-01

CHAIN OF CUSTODY PAGE ____ OF ____

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

Client Information

Client: WEB Engineering
Address: 104 Longwater Drive
Norwell MA 02061
Phone: 781-878-7766
Fax: 781-878-8041
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: General Chemical
Project Location: Framingham MA
Project #: 04-E-009
Project Manager: Michael Hudson
ALPHA Quote #:

Turn-Around Time

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

Other Project Specific Requirements/Comments/Detection Limits:

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

☑ Same as Client info PO #: 04-E-005

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
MA MCP	GW-1

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

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

8260 VOC

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 VOC	Sample Specific Comments	TOTAL # BOTTLES
4232.11	GZ-1	12-20-04	12:24	GW	BO	X		2
12	SW-10	12-20-04	7:15	SW	MJN	X		2
13	SW-3	12-20-04	7:50	SW	MJH	X		2
14	SW-OSC-1	12-20-04	8:05	SW	MJH	X		2
15	SW-USA-1	12-20-04	9:10	SW	MJN	X		2
16	PZ-15	12-20-04	12:45	GW	MJN	X		X
17	PZ-25	12-20-04	1:10	GW	MJH	X		X

Container Type: V
Preservative: B

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP ?

Relinquished By:	Date/Time	Received By:	Date/Time
Bruce Olney	12-20-04 1PM		12/20/04 154

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

FORM NO. 01-01

GROUNDWATER ANALYTICAL

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

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

July 13, 2005

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

LABORATORY REPORT

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

Dear Mike:

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

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

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

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

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

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/kal
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

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

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

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

Lab ID	Field ID	Matrix	Sampled	Method	Notes
85122-1	SW-USA-1	Aqueous	6/24/05 14:35	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C677973	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05
C677985	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
85122-2	SW-3	Aqueous	6/24/05 15:10	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C677974	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05
C677986	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
85122-3	SW-DSC-1	Aqueous	6/24/05 15:15	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C630010	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05
C677998	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
85122-4	SW-10	Aqueous	6/24/05 15:50	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C630044	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05
C630021	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
85122-5	PZ-25	Aqueous	6/24/05 16:20	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C630043	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05
C630022	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
85122-6	PZ-15	Aqueous	6/24/05 16:35	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C630009	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05
C677997	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
85122-7	GZ-1	Aqueous	6/24/05 12:01	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C597687	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05
C597711	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05
C597699	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
85122-8	GZ-2	Aqueous	6/24/05 12:59	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C597740	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05
C597728	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05
C597716	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

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

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

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

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

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

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

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

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

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

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

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

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

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

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

GROUNDWATER ANALYTICAL

Data Certification

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

MA DEP Compendium of Analytical Methods

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

This Form provides certifications for the following data set:

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

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

[redacted]

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

A.	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes
B.	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data*?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

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

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

All No answers are addressed in the attached Project Narrative.

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

Signature:		Position:	Operations Manager
Printed Name:	Eric H. Jensen	Date:	07-13-05

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

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

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

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

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	108 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.4	74 %	70 - 130 %
Toluene-d_8	10	10	103 %	70 - 130 %
4-Bromofluorobenzene	10	8.5	85 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

CAS 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	8.0	80 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.5	75 %	70 - 130 %
Toluene-d_8	10	7.7	77 %	70 - 130 %
4-Bromofluorobenzene	10	7.0	70 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

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

Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.9	99 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.3	73 %	70 - 130 %
Toluene-d_8	10	9.6	96 %	70 - 130 %
4-Bromofluorobenzene	10	7.8	78 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

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

Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	109 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.9	79 %	70 - 130 %
Toluene-d_8	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	10	8.3	83 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

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

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

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

CAS No.	Compound	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	114 %	70 - 130 %
1,2-Dichloroethane-d_4	10	12	116 %	70 - 130 %
Toluene-d_8	10	11	108 %	70 - 130 %
4-Bromofluorobenzene	10	8.7	87 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

CAS 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	12	117 %	70 - 130 %
Toluene-d_8	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	10	8.7	87 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

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

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

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

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

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

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

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

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

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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	300
75-69-4	Trichlorofluoromethane	BRL		ug/L	100
60-29-7	Diethyl Ether	BRL		ug/L	400
75-35-4	1,1-Dichloroethene	560		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	BRL		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	540		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	540		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	5,500		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	13,000	e	ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

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

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

CAS No.	Compound	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	113 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.6	76 %	70 - 130 %
Toluene-d_8	10	11	109 %	70 - 130 %
4-Bromofluorobenzene	10	8.4	84 %	70 - 130 %

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

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

e Indicates concentration exceeded calibration range for the analyte.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

		Concentration	Note	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	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	118 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.6	76 %	70 - 130 %
Toluene-d_8	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	10	8.5	85 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

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

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

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

CAS No.	Analyte (CAS)	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	107 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.9	79 %	70 - 130 %
Toluene-d_8	10	11	107 %	70 - 130 %
4-Bromofluorobenzene	10	8.5	85 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

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

Surrogate Compounds	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	108 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.1	81 %	70 - 130 %
Toluene-d_8	10	11	107 %	70 - 130 %
4-Bromofluorobenzene	10	8.4	84 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-155	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-16	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 09:20	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 16:20	Dilution Factor:	2
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1
74-87-3	Chloromethane	BRL		ug/L	1
75-01-4	Vinyl Chloride	BRL		ug/L	1
74-83-9	Bromomethane	BRL		ug/L	1
75-00-3	Chloroethane	BRL		ug/L	1
75-69-4	Trichlorofluoromethane	BRL		ug/L	1
60-29-7	Diethyl Ether	BRL		ug/L	4
75-35-4	1,1-Dichloroethene	BRL		ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	10
67-64-1	Acetone	BRL		ug/L	20
75-15-0	Carbon Disulfide	BRL		ug/L	10
75-09-2	Methylene Chloride	BRL		ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1
75-34-3	1,1-Dichloroethane	BRL		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	1
78-93-3	2-Butanone (MEK)	BRL		ug/L	10
74-97-5	Bromochloromethane	BRL		ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10
67-66-3	Chloroform	BRL		ug/L	1
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	1
56-23-5	Carbon Tetrachloride	BRL		ug/L	1
563-58-6	1,1-Dichloropropene	BRL		ug/L	1
71-43-2	Benzene	BRL		ug/L	1
107-06-2	1,2-Dichloroethane	BRL		ug/L	1
79-01-6	Trichloroethene	BRL		ug/L	1
78-87-5	1,2-Dichloropropane	BRL		ug/L	1
74-95-3	Dibromomethane	BRL		ug/L	1
75-27-4	Bromodichloromethane	BRL		ug/L	1
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10
108-88-3	Toluene	BRL		ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1
127-18-4	Tetrachloroethene	BRL		ug/L	1
142-28-9	1,3-Dichloropropane	BRL		ug/L	1
591-78-6	2-Hexanone	BRL		ug/L	10
124-48-1	Dibromochloromethane	BRL		ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1
108-90-7	Chlorobenzene	BRL		ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1
100-41-4	Ethylbenzene	BRL		ug/L	1
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-15S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**85122-16**	QC Batch ID:	**VM7-1821-W**
Sampled:	**06-24-05 09:20**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**06-28-05 15:30**	Sample Volume:	**25 mL**
Analyzed:	**07-08-05 16:20**	Dilution Factor:	**2**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
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	107 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.7	77 %	70 - 130 %
Toluene-d_8	10	11	107 %	70 - 130 %
4-Bromofluorobenzene	10	8.5	85 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

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

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

GROUNDWATER ANALYTICAL

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

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

CAS No.	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	7.9	79 %	70 - 130 %
Toluene-d_8	10	11	109 %	70 - 130 %
4-Bromofluorobenzene	10	8.5	85 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

Project Narrative

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

A. Documentation and Client Communication

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

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

B. Method Modifications, Non-Conformances and Observations

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

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

GROUNDWATER ANALYTICAL

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

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

103786

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

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

TURNAROUND

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

BILLING

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

ANALYSIS REQUEST

Sampling			Matrix							Type		Container(s)														Preservation							Filtered		LABORATORY NUMBER (Lab Use Only)
DATE	TIME	SAMPLE IDENTIFICATION	GROUNDWATER	DRINKING WATER	WASTEWATER	SOIL	OTHER SOLID	OIL/ORGANIC LIQUID	SURFACE WATER	COMPOSITE	GRAB	NUMBER	40mL VOA Vial	60mL/2 oz Glass	125mL/4 oz Amber Glass	250mL/8 oz Glass	500mL/16 oz Glass	1 L/32 oz Amber Glass	250mL/8 oz Plastic	500mL/16 oz Plastic	1 L/32 oz Plastic	120mL Sterile	NO	HNO3	H2SO4	HCl	MeOH	Methanol	Sodium Bisulfate	ICE	YES	NO	
6-24	2:35	SW-USA-1								X	X	2	X										X			X								
6-24	3:10	SW-3								X	X	2	X										X			X								
6-24	3:15	SW-DSC-1								X	X	2	X										X			X								
6-24	3:50	SW-10								X	X	2	X										X			X								
6-24	4:20	PZ-85								X	X	2	X										X			X								
6-24	4:35	PZ-15								X	X	2	X										X			X								

NCRA/11E	MPDES	SSWR	OPTIONS
☐ 03008 TCL+MTBE ☐ 03005 NH PETROLEUM ☒ 03008	☐ 624	☐ 624-5-MTBE	☐ TIC Search
☐ 8021B Aromatics	☐ 625	☐ 625.2	☐ Add Only ☐ MA Only ☐ TIC Search
☐ 8021B Halocarbons	☐ 608 Pesticides	☐ 505 ☐ 508	
☐ 8081 B	☐ 608 PCBs	☐ 531.1	
☐ 8260C	☐ 8151A Herbicides	☐ 515.1	
☐ 8270C	☐ 8011 EDB/DBCP	☐ 504.1 EDB/DBCP	
☐ 8270C PAHs only	☐ 13 Priority Pollutant	☐ Lead and Copper	
☐ 8260B TCL+MTBE			
☐ 8260B Pesticides			
☐ 8082 PCBs			
☐ 8151A Herbicides			
☐ 8011 EDB/DBCP			
☐ 8 RCRA ☐ 5 RCRA ☐ MA List Metals ☐ 23 TAL		Specify For Water Samples ☐ Total ☐ Dissolved	
☐ Specify:			

Petroleum Hydrocarbons		Haz. Waste	General Chemistry	Other
Ext. TPH	Vol. TPH			
☐ TPH-IR		☐ Ignitability	☐ Dissolved Phosphorus	
☐ Diesel Range Organics (DRO) ☐ ME DRO		☐ Corrosivity (lab only)	☐ Ammonia ☐ TKN ☐ Total Phosphorus ☐ Dech H (as H2S/HS-/S2-)	
☐ CT ETPH		☐ Reactivity	☐ Oil & Grease	
☐ MA DEP EPH, with targets ☐ EPH Carbon Ranges only ☐ EPH w/o PAHs		☐ Cyanide, Total	☐ COD ☐ TOC	
☐ Hydrocarbon Fingerprint (SUFFIX) by ASTM D3328-90 (Mod.)		☐ Sulfide	☐ BOD ☐ TDS ☐ TSS ☐ TS ☐ Alkalinity	
☐ TPH by GC/FID (8015B) Mod/ Quantitation Only		☐ MA Basic Required (Alkalinity, Ignitability, Reactivity, Corrosivity, TPH by GC, PCBs, 5 Metals, Cyanide, Sulfide)	☐ Cyanide, Total ☐ Sulfide ☐ Phenols ☐ Chlorides	
☐ Gasoline Range Organics (GRO) ☐ ME GRO			☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Fluoride ☐ Sulfate	
☐ MA DEP VPH, with targets ☐ VPH Carbon ranges only				
☐ TCLP ☐ GPLP ☐ 8 Metals ☐ Fe only ☐ VOA ☐ Base N/A ☐ Pesticides ☐ Herbicides				

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

[x] YES [ ] NO MCP Data Certification Required

X _____

MJH

DATA QUALITY OBJECTIVES

Regulatory Program

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

Project Specific QC

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

Project Specific QC Required	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: MJ Hudson	6-28-15	9:00	Received by:	Receipt Temperature: ☐ Ice ☐ Refrigerated 2-4°C Recommended
Relinquished by: (3rd)	6/28/15	1530	Received by:	Container Count: 12
Relinquished by:	Date	Time	Received by Laboratory: DAT	Shipping/Airbill Number:

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

Custody Seal Number: 2156

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CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 109622

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

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

TURNAROUND

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

BILLING

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

ANALYSIS REQUEST

OPTIONS: Volatiles: ☐ TIC Search; Semivolatiles: ☐ 1624 Only ☐ 8260 Only ☐ TIC Search

SDWA: Volatiles: ☐ 524.2-MTBE; Semivolatiles: ☐ 525.2; Pest/Herb/PCBs: ☐ 508 ☐ 508; ☐ 525.1; ☐ 515.1; ☐ 504.1 EDB/DBCP; Metals: ☐ Lead and Copper

NPDES: Volatiles: ☐ 624; ☐ 8021-MTBE; ☐ 601/602-MTBE; Semivolatiles: ☐ 625; ☐ 625 PAHs only; Pest/Herb/PCBs: ☐ 608 Pesticides; ☐ 608 PCBs; ☐ 615; ☐ 8151A Herbicides; ☐ 8011 EDB/DBCP; Metals: ☐ 13 Priority Pollutant

RCRA/TCP: Volatiles: ☐ 8260B TCL+MTBE; ☐ 8260B NH PETROLEUM; ☐ 8260B; Semivolatiles: ☐ 8021B Aromatics; ☐ 8021B Haloacarbons; ☐ 8021B; ☐ 8270C; ☐ 8270C PAHs only; Pest/Herb/PCBs: ☐ 8081A Pesticides; ☐ 8082 PCBs; Metals: ☐ Specify: TPH-HI; ☐ Diesel Range Organics (DRO); ☐ MA DRO; ☐ GT ETPH; ☐ MA DEP EPH w/all targets; ☐ EPH Carbon Ranges only; ☐ EPH w/o PAHs; ☐ Hydrocarbon Properties (GC/FID by ASTM D3328-05 Mod.); ☐ TPH by GC/FID (310.1/8100 Mod) Quantitative Only; ☐ Gasoline Range Organics (GRO); ☐ ME DRO; ☐ MA DEP VPH w/all targets; ☐ VPH Carbon ranges only; ☐ TCLP ☐ SPLP ☐ 5 Metals ☐ Pb only ☐ VOA ☐ Semi VOA ☐ Pesticides ☐ Herbicides; ☐ Corrosivity (pH) ☐ Reactivity ☐ Ignitability (24 Flashpoint) ☐ Paint Filter; ☐ MA Base Neutrals Extract. 8260B TPH by GC, PCBs, 5 Metals, Corrosivity, Ignitability, Reactivity; ☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Fluoride ☐ Sulfate; ☐ Dissolved Phosphorus; ☐ Ammonia ☐ TKN ☐ Total Phosphorus ☐ Total N (as NO2/NO3/TKN); ☐ Oil & Grease; ☐ COD ☐ TOC; ☐ BOD ☐ TDS ☐ TSS ☐ TS ☐ Alkalinity; ☐ Sulfide ☐ Total ☐ Dissolved ☐ Sulfate, Physiologically Available; ☐ pH ☐ Dissolved Oxygen ☐ Turbidity; ☐ Total Coliform ☐ Fecal Coliform ☐ HPC

Other: ☐ TCLP ☐ SPLP ☐ 5 Metals ☐ Pb only ☐ VOA ☐ Semi VOA ☐ Pesticides ☐ Herbicides; ☐ Corrosivity (pH) ☐ Reactivity ☐ Ignitability (24 Flashpoint) ☐ Paint Filter; ☐ MA Base Neutrals Extract. 8260B TPH by GC, PCBs, 5 Metals, Corrosivity, Ignitability, Reactivity

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
6-24-05	12:01	GZ-1	GROUNDWATER	COMPOSITE / GRAB	NUMBER: 3 × 40mL VOA Vial	NO	YES / NO	25922
6-24-05	12:59	GZ-2	GROUNDWATER	COMPOSITE / GRAB	NUMBER: 3 × 40mL VOA Vial	NO	YES / NO	
6-24-05	9:00	GZ-5S	GROUNDWATER	COMPOSITE / GRAB	NUMBER: 3 × 40mL VOA Vial	NO	YES / NO	
6-24-05	10:24	GZ-7	GROUNDWATER	COMPOSITE / GRAB	NUMBER: 3 × 40mL VOA Vial	NO	YES / NO	
6-24-05	11:16	GZ-7R	GROUNDWATER	COMPOSITE / GRAB	NUMBER: 3 × 40mL VOA Vial	NO	YES / NO	
6-23-05	12:07	GZA-14M	GROUNDWATER	COMPOSITE / GRAB	NUMBER: 3 × 40mL VOA Vial	NO	YES / NO	
6-23-05	12:48	GZA-14S	GROUNDWATER	COMPOSITE / GRAB	NUMBER: 3 × 40mL VOA Vial	NO	YES / NO	
6-23-05	11:45	GZA-15R	GROUNDWATER	COMPOSITE / GRAB	NUMBER: 3 × 40mL VOA Vial	NO	YES / NO	
6-23-05	10:05	GZA-15D	GROUNDWATER	COMPOSITE / GRAB	NUMBER: 3 × 40mL VOA Vial	NO	YES / NO	
6-23-05	9:20	GZA-15S	GROUNDWATER	COMPOSITE / GRAB	NUMBER: 3 × 40mL VOA Vial	NO	YES / NO	
6-23-05	2:40	GZA-19D	GROUNDWATER	COMPOSITE / GRAB	NUMBER: 3 × 40mL VOA Vial	NO	YES / NO	

REMARKS / SPECIAL INSTRUCTIONS

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

DATA QUALITY OBJECTIVES

Regulatory Program

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

Project Specific QC

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

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

CHAIN-OF-CUSTODY RECORD

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

	Date	Time		
Relinquished by Sampler: Bruce Obodsky	6/24/05	1210	Received by: [signature]	Receipt Temperature: ☐ Ice ☐ Refrigerated 2-4°C Recommended
Relinquished by: [signature]	6/24/05	1530	Received by: [signature]	Container Count: 33
Relinquished by:	Date	Time	Received by Laboratory: DH	Shipping/Airbill Number:

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

Custody Seal Number: 2156

GROUNDWATER ANALYTICAL

Quality Assurance/Quality Control

A. Program Overview

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

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

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

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

B. Definitions

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

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

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

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

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

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

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

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

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

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

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

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

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

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

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

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

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

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

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: EPA Method 8260B
QC Batch ID: VM4-3205-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 07-07-05 11:59
Analyst: EMC

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

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

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

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

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

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

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

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

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

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

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

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

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

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-7 Agilent 6890**
QC Batch ID:	**VM7-1823-WB**	Analyzed:	**07-11-05 08:05**
Matrix:	**Aqueous**	Analyst:	**LMG**

		Concentration	Note	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

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

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

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

GROUNDWATER ANALYTICAL

Certifications and Approvals

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

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

CONNECTICUT, Department of Health Services, PH-0586

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

FLORIDA, Department of Health, Bureau of Laboratories, E87643

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

MAINE, Department of Human Services, MA103

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

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlab1.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

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

NEW YORK, Department of Health, 11754

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

PENNSYLVANIA, Department of Environmental Protection, 68-665

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

RHODE ISLAND, Department of Health, 54

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

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

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

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

GROUNDWATER ANALYTICAL

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www.groundwateranalytical.com

October 31, 2005

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

LABORATORY REPORT

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

Dear Mike:

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

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

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

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

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

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/kal
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

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

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

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

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-1	WMW-5	Aqueous	10/12/05 9:20	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684168	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684167	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684166	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-2	WMW-6	Aqueous	10/12/05 10:46	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684171	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684170	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684169	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-3	GZ-1	Aqueous	10/12/05 11:41	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684174	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684173	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684172	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-4	GZ-7R	Aqueous	10/12/05 13:07	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684178	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684177	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684176	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-5	GZ-7	Aqueous	10/12/05 13:40	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684181	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684180	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684179	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-6	WMW-3	Aqueous	10/12/05 14:27	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684184	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684183	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684182	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-7	WMW-2D	Aqueous	10/13/05 10:12	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684204	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684185	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684175	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

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

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

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

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-8	WMW-2S	Aqueous	10/13/05 11:06	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684203	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684202	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684199	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-9	WMW-7	Aqueous	10/13/05 11:55	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684206	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684191	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684190	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-10	WMW-1	Aqueous	10/13/05 13:26	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684205	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684201	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684200	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-11	GZ-5S	Aqueous	10/13/05 14:59	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684188	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684187	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684186	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-12	GZ-2	Aqueous	10/13/05 15:55	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684198	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684197	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684195	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-13	GZA-15R	Aqueous	10/14/05 9:16	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684196	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684194	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684193	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-14	GZA-15D	Aqueous	10/14/05 10:15	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684215	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684214	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684213	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project:	General Chemical	Delivery:	GWA Courier	Temperature:	2.0'C
Client:	WEB Engineering	Airbill:	n/a	Chain of Custody:	Present
Lab ID:	88407	Lab Receipt:	10-17-05	Custody Seal(s):	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-15	GZA-15S	Aqueous	10/14/05 10:57	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684212	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684211	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684210	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-16	GZA-14M	Aqueous	10/14/05 11:54	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684265	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684220	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684209	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-17	GZA-14S	Aqueous	10/14/05 12:29	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684234	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684224	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684223	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
88407-18	GZA-19DD	Aqueous	10/14/05 13:20	EPA 8260B TCL Volatile Organics	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684222	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684221	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684208	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

GROUNDWATER ANALYTICAL

Data Certification

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

MA DEP Compendium of Analytical Methods

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

This Form provides certifications for the following data set:

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

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

[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] SW-846 Methods 7000 series: List individual method and analyte

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

A.	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes
B.	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data*?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

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

E.	Were all QC performance standards and recommendations for the specified methods achieved?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	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: *S H J* Position: Operations Manager

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

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

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.8	88 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.2	92 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	10	103 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

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

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

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

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

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

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	10
75-01-4	Vinyl Chloride	69		ug/L	10
74-83-9	Bromomethane	BRL		ug/L	10
75-00-3	Chloroethane	BRL		ug/L	10
75-35-4	1,1-Dichloroethene	18		ug/L	10
67-64-1	Acetone	BRL		ug/L	200
75-15-0	Carbon Disulfide	BRL		ug/L	100
75-09-2	Methylene Chloride	BRL		ug/L	50
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	10
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	10
75-34-3	1,1-Dichloroethane	25		ug/L	10
156-59-2	*cis*-1,2-Dichloroethene	230		ug/L	10
78-93-3	2-Butanone (MEK)	BRL		ug/L	100
67-66-3	Chloroform	BRL		ug/L	10
71-55-6	1,1,1-Trichloroethane	410		ug/L	10
56-23-5	Carbon Tetrachloride	BRL		ug/L	10
71-43-2	Benzene	BRL		ug/L	10
107-06-2	1,2-Dichloroethane	BRL		ug/L	10
79-01-6	Trichloroethene	170		ug/L	10
78-87-5	1,2-Dichloropropane	BRL		ug/L	10
75-27-4	Bromodichloromethane	BRL		ug/L	10
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	10
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	100
108-88-3	Toluene	BRL		ug/L	10
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	10
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	10
127-18-4	Tetrachloroethene	480		ug/L	10
591-78-6	2-Hexanone	BRL		ug/L	100
124-48-1	Dibromochloromethane	BRL		ug/L	10
108-90-7	Chlorobenzene	BRL		ug/L	10
100-41-4	Ethylbenzene	BRL		ug/L	10
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	16		ug/L	10
95-47-6	*ortho*-Xylene	BRL		ug/L	10
100-42-5	Styrene	BRL		ug/L	10
75-25-2	Bromoform	BRL		ug/L	10
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	10

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

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZ-7R	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-04	QC Batch ID:	VM5-3264-W
Sampled:	10-12-05 13:07	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 03:06	Dilution Factor:	5
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-35-4	1,1-Dichloroethene	4		ug/L	2.5
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	9		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	63		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	40		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	160		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	5		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9	90 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.9	89 %	70 - 130 %
Toluene-d_8	10	9.4	94 %	70 - 130 %
4-Bromofluorobenzene	10	11	109 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZ-7	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-05	QC Batch ID:	VM5-3264-W
Sampled:	10-12-05 13:40	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 03:46	Dilution Factor:	5
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/l	2.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/l	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/l	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	3		ug/l	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/l	2.5
156-59-2	*cis*-1,2-Dichloroethene	6		ug/l	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/l	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	42		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	27		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	120		ug/l	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	4		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.7	87 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	11	107 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	WMW-3	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-06	QC Batch ID:	VMS-3264-W
Sampled:	10-12-05 14:27	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 04:27	Dilution Factor:	5
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	5		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
67-66-3	Chloroform	3		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	42		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	24		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	100		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	4		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.7	87 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.7	87 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	10	104 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	WMW-2D	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-07	QC Batch ID:	VM5-3264-W
Sampled:	10-13-05 10:12	Instrument ID:	M5-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 05:07	Dilution Factor:	1
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	1		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	10		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	6		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	0.7		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	20		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	1		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.8	88 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	9.2	92 %	70 - 130 %
4-Bromofluorobenzene	10	10	105 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	WMW-25	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-08	QC Batch ID:	VM5-3264-W
Sampled:	10-13-05 11:06	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 05:47	Dilution Factor:	5
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-35-4	1,1-Dichloroethene	3		ug/L	2.5
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	33		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	82		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	4		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	15		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.7	87 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.6	96 %	70 - 130 %
Toluene-d_8	10	9.1	91 %	70 - 130 %
4-Bromofluorobenzene	10	11	105 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	WMW-7	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-09	QC Batch ID:	VM5-3264-W
Sampled:	10-13-05 11:55	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 06:28	Dilution Factor:	1
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	2		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	0.7		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	9		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	4		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	8		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	5		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	0.8		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	18		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	7		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	3		ug/L	0.5
95-47-6	*ortho*-Xylene	2		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	WMW-1	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-10	QC Batch ID:	VM5-3264-W
Sampled:	10-13-05 13:26	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 07:08	Dilution Factor:	1
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	0.8		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	8		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	5		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	20		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	0.7		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9	90 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.8	98 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	9.8	98 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZ-5S	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-11	QC Batch ID:	VM5-3264-W
Sampled:	10-13-05 14:59	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 07:49	Dilution Factor:	1
Analyst	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	2		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	5		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	5		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	15		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.2	92 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	9.4	94 %	70 - 130 %
4-Bromofluorobenzene	10	10	100 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZ-2	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-12	QC Batch ID:	VM5-3264-W
Sampled:	10-13-05 15:55	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 08:30	Dilution Factor:	1
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	1		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	10		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	6		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	2		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	28		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	0.5		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	2		ug/L	0.5
95-47-6	*ortho*-Xylene	0.6		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.1	91 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	9.7	97 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZA-15R	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-13	QC Batch ID:	VM5-3266-W
Sampled:	10-14-05 09:16	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-20-05 18:09	Dilution Factor:	1
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	4		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	3		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	9		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.7	87 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.5	85 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	11	105 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZA-15D	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-14	QC Batch ID:	VM5-3266-W
Sampled:	10-14-05 10:15	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-20-05 18:50	Dilution Factor:	1
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	3		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	2		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	8		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.6	86 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.8	88 %	70 - 130 %
Toluene-d_8	10	9.4	94 %	70 - 130 %
4-Bromofluorobenzene	10	10	105 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZA-15S	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-15	QC Batch ID:	VM5-3266-W
Sampled:	10-14-05 10:57	Instrument ID:	M5-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-20-05 19:30	Dilution Factor:	1
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/l	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/l	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/l	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	4		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	2		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/l	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	9		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/l	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.6	86 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.4	84 %	70 - 130 %
Toluene-d_8	10	9.5	95 %	70 - 130 %
4-Bromofluorobenzene	10	11	106 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZA-14M	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-16	QC Batch ID:	VM5-3267-W
Sampled:	10-14-05 11:54	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-21-05 07:58	Dilution Factor:	200
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	100
75-01-4	Vinyl Chloride	BRL		ug/L	100
74-83-9	Bromomethane	BRL		ug/L	100
75-00-3	Chloroethane	BRL		ug/L	100
75-35-4	1,1-Dichloroethene	480		ug/L	100
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	BRL		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	490		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	500		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	4,800		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	9,400		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100
100-42-5	Styrene	BRL		ug/L	100
75-25-2	Bromoform	BRL		ug/L	100
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	100

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.8	88 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.6	86 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	11	107 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZA-14S	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-17	QC Batch ID:	VMS-3268-W
Sampled:	10-14-05 12:29	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-21-05 19:18	Dilution Factor:	5
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	3		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	36		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	87		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9	90 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.2	92 %	70 - 130 %
Toluene-d_8	10	9.6	96 %	70 - 130 %
4-Bromofluorobenzene	10	9.9	99 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZA-19DD	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-18	QC Batch ID:	VM5-3268-W
Sampled:	10-14-05 13:20	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-21-05 11:51	Dilution Factor:	2000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	1000
75-01-4	Vinyl Chloride	BRL		ug/L	1000
74-83-9	Bromomethane	BRL		ug/L	1000
75-00-3	Chloroethane	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	4,400		ug/L	1000
67-64-1	Acetone	BRL		ug/L	20000
75-15-0	Carbon Disulfide	BRL		ug/L	10000
75-09-2	Methylene Chloride	38,000		ug/L	5000
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1000
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1000
75-34-3	1,1-Dichloroethane	BRL		ug/L	1000
156-59-2	*cis*-1,2-Dichloroethene	17,000		ug/L	1000
78-93-3	2-Butanone (MEK)	BRL		ug/L	10000
67-66-3	Chloroform	BRL		ug/L	1000
71-55-6	1,1,1-Trichloroethane	29,000		ug/L	1000
56-23-5	Carbon Tetrachloride	BRL		ug/L	1000
71-43-2	Benzene	BRL		ug/L	1000
107-06-2	1,2-Dichloroethane	BRL		ug/L	1000
79-01-6	Trichloroethene	35,000		ug/L	1000
78-87-5	1,2-Dichloropropane	BRL		ug/L	1000
75-27-4	Bromodichloromethane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1000
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10000
108-88-3	Toluene	BRL		ug/L	1000
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1000
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1000
127-18-4	Tetrachloroethene	55,000		ug/L	1000
591-78-6	2-Hexanone	BRL		ug/L	10000
124-48-1	Dibromochloromethane	BRL		ug/L	1000
108-90-7	Chlorobenzene	BRL		ug/L	1000
100-41-4	Ethylbenzene	BRL		ug/L	1000
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1000
95-47-6	*ortho*-Xylene	BRL		ug/L	1000
100-42-5	Styrene	BRL		ug/L	1000
75-25-2	Bromoform	BRL		ug/L	1000
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1000

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9	90 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.6	96 %	70 - 130 %
Toluene-d_8	10	9.5	95 %	70 - 130 %
4-Bromofluorobenzene	10	11	105 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

Project Narrative

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

A. Documentation and Client Communication

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

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

B. Method Modifications, Non-Conformances and Observations

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

1. EPA 8260B Non-conformance: Sample 88407-16. Laboratory control sample (LCS) analyte Acetone was above recommended recovery limits for QC batch VM5-3267-W.
2. EPA 8260B Non-conformance: Samples 88407-01 through 12. Laboratory control sample (LCS) analyte Acetone was above recommended recovery limits for QC batch VM5-3264-W.
3. EPA 8260B Non-conformance: Samples 88407-13 through -15. Laboratory control sample (LCS) analyte Acetone had a RPD recovery was above recommended recovery limits for QC batch VM5-3268-W.
4. EPA 8260B Note: Sample 88407-01 through -6,-08,-16,-17 and -18. Sample was diluted prior to analysis. Dilution was required to keep all target analytes within calibration.
5. EPA 8260B Note: Samples 88407-01,-02,-03,-04,-05,-06,-07,-08,-09,-10,-11,-12,-13,-14,-15,-16,-17,-18. Samples were analyzed for only selected target analytes, as requested by client.

GROUNDWATER ANALYTICAL

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CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 203491

Project Name: General Chemical	Firm: WBB Engineering
Project Number:	Address: 104 Longwater Drive
Sampler Name: Bruce Oborsky	City / State / Zip: Norwell MA 02061
Project Manager: Mike Hudson	Telephone: 781-878-7765

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

TURNAROUND

- ☑ STANDARD (10 Business Days)
- ☐ PRIORITY (5 Business Days)
- ☐ RUSH (RAN- _____)
  (Rush requires Rush Authorization Number)
- ☐ Please Email to: _____
- ☐ Please FAX to: _____

BILLING

- ☐ Purchase Order No.: 04-B-037
- ☐ Third Party Billing: _____
- ☐ GWA Quote: _____

ANALYSIS REQUEST

OPTIONS: (1) VOC Scans; (1) Add Only (1) MA Only (1) VOC Scans

JSWNA: (1) 524.2/MTBE; (1) 625.1; (1) 1,4-Dioxane; (1) 8260 TCL; (1) 504.1 EDB/DBCP

NPDES: (1) 624; (1) 608/MTBE; (1) 625; (1) 608 Pesticides; (1) 608 PCBs; (1) 515.1; (1) 515.1; (1) 504.1 EDB/DBCP; (1) Lead and Copper; (1) 1613; (1) Priority Pollutant

RCRA/21E: (1) 8260B TCL/MTBE; (1) 8260B MA-PETROLEUM; (1) 8260B; (1) 8021B Aromatics; (1) 8021B Hydrocarbons; (1) 8082/18; (1) 8270C; (1) 8270C PAHs only; (1) 8081A Pesticides; (1) 8082 PCBs; (1) 8151A Herbicides; (1) 8011 EDB/DBCP; (1) 8 RCRA; (1) 5 RCRA; (1) MA List Metals; (1) 23 TAL; (1) Specify:

Volatiles: (1) VOC Scans

Semivolatiles: (1) 625.1; (1) Add Only (1) MA Only (1) VOC Scans

Fuel/Waste/PCBs (Petroleum): (1) 8082 PCBs; (1) 515.1; (1) 515.1; (1) 504.1 EDB/DBCP

Metals: Specify For Water Samples (1) Total (1) Dissolved

Petroleum Hydrocarbon Ext. TPH: (1) 8270C PAHs only; (1) Diesel Range Organics (DRO); (1) ME DRO; (1) CT ETPH; (1) MA DEP EPH w/ target analytes; (1) EPH Carbon Ranges only; (1) EPH w/ PAHs; (1) Hydrocarbon Fingerprint (GC/FID) by ASTM D3328-05 Mod.; (1) TPH by GC/FID (801B) Mthy Chloride/Hexane Only; (1) Gasoline Range Organics (GRO); (1) ME GRO; (1) MA DEP VPH w/ target analytes; (1) VPH Carbon ranges only

Petroleum Hydrocarbon Vol. TPH: (1) TCLP; (1) SPLP; (1) 8 Metals; (1) PAHs only; (1) VOA; (1) Semi VOA; (1) Pesticides; (1) Herbicides

Haz. Waste: (1) Corrosivity (pH); (1) Reactivity; (1) Ignitability (no Flashpoint); (1) Paint Filter; (1) MA Static Dissipation Criteria; 8260B; TPH by GC, PCBs, 5 Metals; Corrosivity, Ignitability, Reactivity; (1) 8 Metals; (1) Sulfide; (1) Chloride; (1) Fluoride; (1) Sulfide

General Chemistry: (1) Dissolved Phosphorus; (1) Ammonia (); TKN (); Total Phosphorus; (1) Total N (as NO3/NO2/TKN); (1) Total Kjeldahl Nitrogen; (1) TOC; (1) COD; (1) TOC; (1) 8260 (); TCL; (1) TSS; (1) TCL; (1) Alkalinity; (1) Cyanide, Total; (1) Cyanide, Physiologically Available; (1) BOD (); Dissolved Oxygen; (1) Turbidity; (1) Total Coliform; (1) Fecal Coliform; (1) HPC

Other

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
9-20-05	9:20	wmw-5	GROUNDWATER	GRAB	3 NUMBER	HCl		88457
	10:46	wmw-6	GROUNDWATER	GRAB	3 NUMBER	HCl		
	11:41	GZ-1	GROUNDWATER	GRAB	3 NUMBER	HCl		
	1:07	GZ-TR	GROUNDWATER	GRAB	3 NUMBER	HCl		
	1:40	GZ-7	GROUNDWATER	GRAB	3 NUMBER	HCl		
	2:27	wmw-3	GROUNDWATER	GRAB	3 NUMBER	HCl		
9-21-05	10:12	wmw-20	GROUNDWATER	GRAB	3 NUMBER	HCl		
	11:06	wmw-25	GROUNDWATER	GRAB	3 NUMBER	HCl		
	11:55	wmw-7	GROUNDWATER	GRAB	3 NUMBER	HCl		
	1:26	wmw-1	GROUNDWATER	GRAB	3 NUMBER	HCl		
	2:19	GZ-55	GROUNDWATER	GRAB	3 NUMBER	HCl		
	3:00	GZ-2	GROUNDWATER	GRAB	3 NUMBER	HCl		

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- ☐ YES ☐ NO MCP Data Certification required.
- ☐ YES ☐ NO MCP Drinking Water Sample included.
  (Require collection of contingent duplicate sample.
  Trip blanks are also required, if VOA sample collected).

Signature: _____

DATA QUALITY OBJECTIVES

Regulatory Program

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

Project Specific QC

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

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

CHAIN-OF-CUSTODY RECORD

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

	Date	Time		
Relinquished by Sampler: Bruce Oborsky	10-4-05	3:30	Received by:	Receipt Temperature: 2 (Ice ; Refrigerated 2-6 C Recommended)
Relinquished by:	Date	Time	Received by:	Container Count: 36
	10/04/05	1140		
Relinquished by:	Date	Time	Received by Laboratory:	Shipping/Airbill Number:
	10/7/05	1805		

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

Custody Seal Number:

GROUNDWATER ANALYTICAL

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

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 203492

Project Name: General Chemical	Firm: W.E.S. Engineering
Project Number: 04-E-057	Address: 104 Longwater Drive
Sampler Name: Bruce Shoosky	City / State / Zip: Norwell Ma. 02061
Project Manager: Mike Hallin	Telephone: 781-878-7766

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

TURNAROUND

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

BILLING

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

ANALYSIS REQUEST

OPTIONS / SDWA / NPDES / RCRA/TCLP

Volatiles; Semivolatiles; Pest/Herb/PCBs (Extractable, Vol); Metals; Petroleum Hydrocarbon (Fat. TPH, Vol. TPH); Haz. Waste; General Chemistry; Other

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
9/10/16	9:16	GW-15L	GROUNDWATER	COMPOSITE	3 X VOA	HCL	YES	88407-
	10:10	GW-15D	GROUNDWATER	GRAB	3 X VOA	HCL	NO	
	10:35	GW-15S	GROUNDWATER		3 X VOA	HCL		
	11:55	GW-MW	GROUNDWATER		3 X VOA	HCL		
	12:20	GW-14S	GROUNDWATER		3 X VOA	HCL		
	1:20	GW-1900	GROUNDWATER		3 X VOA	HCL		

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

[ ] YES [ ] NO [ ] Data Certification required.

[ ] YES [ ] NO [ ] Drinking Water Sample included.
(Require collection of contingent duplicate sample.
Trip blanks are also required if VOA sample collected).

Signature: _____

DATA QUALITY OBJECTIVES

Regulatory Program

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

Project Specific QC

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

Project Specific QC Required	Selection of QC Sample
[ ] Sample Duplicate	[ ] Please use sample: _____
[ ] Matrix Spike	
[ ] Matrix Spike Dup (y/n)	

CHAIN-OF-CUSTODY RECORD

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

Relinquished by Sampler: Bruce Shoosky	Date: 10/4/16 Time: 3:30	Received by:	Receipt Temperature: °C Preserved / °C Received
Relinquished by:	Date: 10/4/16 Time: 1700	Received by:	Container Count: 15
Relinquished by:	Date: 10/5/16 Time: 0945	Received by Laboratory:	Shipper/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

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B TCL	Instrument ID:	MS-5 HP 6890	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VM5-3268-WL	Analyzed:	10-21-05 08:54	Analyzed:	10-21-05 09:35
Matrix:	Aqueous	Analyst:	KMC	Analyst	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate			QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
74-87-3	Chloromethane	10	9	90 %	10	9.7	97 %	7 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.2	92 %	10	9.6	96 %	4 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.2	82 %	10	8.6	86 %	5 %	70 - 130 %	25%
75-00-3	Chloroethane	10	8.4	84 %	10	8.3	83 %	1 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	9.4	94 %	10	9.2	92 %	2 %	70 - 130 %	25%
67-64-1	Acetone	20	24	120 %	20	18	90 %	29 % c	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	21	105 %	20	20	99 %	5 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	12	119 %	10	11	111 %	7 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9.1	91 %	10	9.3	93 %	2 %	70 - 130 %	25%
75-34-3	1,1-D chloroethane	10	9.8	98 %	10	9.4	94 %	4 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	10	100 %	10	10	101 %	0 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	20	101 %	20	22	108 %	10 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.8	98 %	10	9.3	93 %	5 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.8	98 %	10	9.4	94 %	4 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	10	102 %	10	9.6	96 %	4 %	70 - 130 %	25%
71-43-2	Benzene	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
107-06-2	1,2-D chloroethane	10	9.5	95 %	10	9.3	93 %	2 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	10	100 %	10	9.6	96 %	4 %	70 - 130 %	25%
78-87-5	1,2-D chloropropane	10	9.6	96 %	10	9.3	93 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	10	102 %	10	10	100 %	0 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	10	102 %	10	9.8	98 %	2 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	19	93 %	20	19	95 %	0 %	70 - 130 %	25%
108-88-3	Toluene	10	9.8	98 %	10	9.4	94 %	4 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.6	96 %	10	9.7	97 %	1 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	100 %	10	10	101 %	0 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	101 %	10	9.9	99 %	1 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	21	106 %	20	22	109 %	5 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.9	99 %	10	10	101 %	1 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.7	97 %	10	9.7	97 %	0 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	104 %	10	10	101 %	0 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	20	102 %	20	20	99 %	0 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	104 %	10	10	102 %	0 %	70 - 130 %	25%
100-42-5	Styrene	10	11	106 %	10	10	105 %	10 %	70 - 130 %	25%
75-25-2	Bromoform	10	10	100 %	10	10	102 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	10	100 %	10	9.7	97 %	3 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.8	88 %	10	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	95 %	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	10	9.1	91 %	70 - 130 %
4-Bromofluorobenzene	10	9.4	94 %	10	9.3	93 %	70 - 130 %

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

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

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B TCL	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VM5-3268-WB	Analyzed:	10-21-05 10:15
Matrix:	Aqueous	Analyst:	KMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.9	89 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	11	107 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B TCL	Instrument ID:	MS-5 HP 6890	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VM5-3267-WL	Analyzed:	10-20-05 20:25	Analyzed:	10-20-05 21:05
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
74-87-3	Chloromethane	10	8.7	87 %	10	9.3	93 %	7 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	8.2	82 %	10	8.7	87 %	6 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.1	81 %	10	8.1	81 %	0 %	70 - 130 %	25%
75-00-3	Chloroethane	10	8	80 %	10	8.1	81 %	1 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.6	86 %	10	8.1	81 %	6 %	70 - 130 %	25%
67-64-1	Acetone	20	30	148 % q	20	19	97 %	45 % c	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	19	97 %	20	19	93 %	0 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.3	93 %	10	9.3	93 %	0 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9	90 %	10	8.7	87 %	3 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	8.8	88 %	10	8.6	86 %	2 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.1	91 %	10	8.8	88 %	3 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.5	95 %	10	9.3	93 %	2 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	20	100 %	20	19	95 %	5 %	70 - 130 %	25%
67-66-3	Chloroform	10	9	90 %	10	8.8	88 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	8.7	87 %	10	8.4	84 %	4 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	8.9	89 %	10	8.7	87 %	2 %	70 - 130 %	25%
71-43-2	Benzene	10	9.1	91 %	10	8.8	88 %	3 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	8.8	88 %	10	8.7	87 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.1	91 %	10	8.7	87 %	4 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9	90 %	10	8.7	87 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.4	94 %	10	9.2	92 %	2 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.5	95 %	10	9.4	94 %	1 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	18	90 %	20	17	86 %	6 %	70 - 130 %	25%
108-88-3	Toluene	10	9.1	91 %	10	8.9	89 %	2 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.2	92 %	10	9.1	91 %	1 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	8.8	88 %	10	8.9	89 %	1 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	20	98 %	20	20	98 %	0 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.2	92 %	10	9.4	94 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.1	91 %	10	9.1	91 %	0 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.4	94 %	10	9.5	95 %	1 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	19	93 %	20	19	94 %	0 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
75-25-2	Bromoform	10	9.5	95 %	10	9.6	96 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.6	96 %	10	9.6	96 %	0 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9	90 %	10	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	95 %	10	8.8	88 %	70 - 130 %
Toluene-d_8	10	9.3	92 %	10	9.1	91 %	70 - 130 %
4-Bromofluorobenzene	10	9.3	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 5030 B.

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

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B TCL	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VM5-3267-WB	Analyzed:	10-20-05 21:46
Matrix:	Aqueous	Analyst:	CCT

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

QC Surrogate Compounds	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.1	91 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	11	106 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B TCL	Instrument ID:	MS-5 HP 6890	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VM5-3266-WL	Analyzed:	10-20-05 08:40	Analyzed:	10-20-05 09:21
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
74-87-3	Chloromethane	10	9.6	96 %	10	10	102 %	4 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.4	94 %	10	9.9	99 %	5 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.7	87 %	10	8.5	85 %	2 %	70 - 130 %	25%
75-00-3	Chloroethane	10	8.9	89 %	10	8.2	82 %	8 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	101 %	10	9.3	93 %	7 %	70 - 130 %	25%
67-64-1	Acetone	20	23	114 %	20	18	90 %	24 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	17	87 %	20	20	99 %	16 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	8.9	89 %	10	8.9	89 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.5	95 %	10	9.4	94 %	1 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	8.8	88 %	10	8.8	88 %	0 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.7	97 %	10	9.2	92 %	5 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.9	99 %	10	9.8	98 %	1 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	103 %	20	19	93 %	10 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.7	97 %	10	9.2	92 %	5 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	10	102 %	10	9.8	98 %	2 %	70 - 130 %	25%
71-43-2	Benzene	10	9.8	98 %	10	9.2	92 %	6 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.2	92 %	10	8.8	88 %	4 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.9	99 %	10	9.5	95 %	4 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.6	96 %	10	9.3	93 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	10	101 %	10	9.6	96 %	4 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.9	99 %	10	9.4	94 %	5 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	19	94 %	20	18	90 %	5 %	70 - 130 %	25%
108-88-3	Toluene	10	9.8	98 %	10	9.4	94 %	4 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.8	98 %	10	9.5	95 %	3 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	102 %	10	10	102 %	0 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	102 %	10	10	101 %	0 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	22	112 %	20	21	104 %	5 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.9	99 %	10	9.7	97 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	100 %	10	9.7	97 %	3 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	11	107 %	10	10	103 %	10 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	106 %	20	21	103 %	0 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	11	106 %	10	10	104 %	10 %	70 - 130 %	25%
100-42-5	Styrene	10	11	109 %	10	11	107 %	0 %	70 - 130 %	25%
75-25-2	Bromoform	10	10	103 %	10	10	105 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.8	98 %	10	9.5	95 %	3 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.6	86 %	10	8.7	87 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9	90 %	10	8.5	85 %	70 - 130 %
Toluene-d_8	10	9.1	91 %	10	9	90 %	70 - 130 %
4-Bromofluorobenzene	10	9.4	94 %	10	9.4	94 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B TCL	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VM5-3266-WB	Analyzed:	10-20-05 10:01
Matrix:	Aqueous	Analyst:	KMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9	90 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	11	109 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B TCL	Instrument ID:	MS-5 HP 6890	Instrument ID	MS-5 HP 6890
QC Batch ID:	VM5-3264-WL	Analyzed:	10-18-05 21:42	Analyzed:	10-18-05 22:22
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
74-87-3	Chloromethane	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.9	99 %	10	9	90 %	10 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.9	89 %	10	8.8	88 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	0	8.7	87 %	10	8.2	82 %	6 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	0	9.6	96 %	10	9.1	91 %	5 %	70 - 130 %	25%
67-64-1	Acetone	20	40	200 % q	20	38	189 % q	5 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	20	98 %	20	18	92 %	11 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	10	101 %	10	9.6	96 %	5 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
1634-04-4	Methyl tert-butyl Ether (MTBE)	10	9.1	91 %	10	9.2	92 %	1 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	10	101 %	10	9.9	99 %	1 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	17	87 %	20	19	93 %	11 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.3	93 %	10	9.2	92 %	1 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.5	95 %	10	9.1	91 %	4 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.8	98 %	10	9.4	94 %	4 %	70 - 130 %	25%
71-43-2	Benzene	10	9.4	94 %	10	9.4	94 %	0 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9	90 %	10	8.9	89 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.5	95 %	10	9.4	94 %	1 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.3	93 %	10	9.2	92 %	1 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.6	96 %	10	9.5	95 %	1 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.9	99 %	10	9.7	97 %	2 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	17	85 %	20	17	87 %	0 %	70 - 130 %	25%
108-88-3	Toluene	10	9.4	94 %	10	9.3	93 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.7	97 %	10	9.6	96 %	1 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	100 %	10	9.6	96 %	4 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	21	105 %	20	20	100 %	5 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.8	98 %	10	9.5	95 %	3 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	102 %	10	9.8	98 %	2 %	70 - 130 %	25%
00-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	20	100 %	20	19	97 %	5 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.9	99 %	10	9.7	97 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	10	104 %	10	10	101 %	0 %	70 - 130 %	25%
75-25-2	Bromoform	10	10	100 %	10	10	102 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.4	94 %	10	9.3	93 %	1 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.8	88 %	10	8.7	87 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.2	92 %	10	9.5	95 %	70 - 130 %
Toluene-d_8	10	9.1	91 %	10	9.2	92 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	10	9.3	93 %	70 - 130 %

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

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

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B TCL	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VMS-3264-WB	Analyzed:	10-18-05 23:03
Matrix:	Aqueous	Analyst:	CCT

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.7	87 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.6	86 %	70 - 130 %
Toluene-d_8	10	9.0	90 %	70 - 130 %
4-Bromofluorobenzene	10	10	103 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

Certifications and Approvals

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

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

CONNECTICUT, Department of Health Services, PH-0586

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

FLORIDA, Department of Health, Bureau of Laboratories, E87643

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

MAINE, Department of Human Services, MA103

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

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

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

NEW HAMPSHIRE, Department of Environmental Services, 202703

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

NEW YORK, Department of Health, 11754

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

PENNSYLVANIA, Department of Environmental Protection, 68-665

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

RHODE ISLAND, Department of Health, 54

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

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

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

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

GROUNDWATER ANALYTICAL

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March 17, 2006

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

LABORATORY REPORT

Project: **General Chemical Corp**
Lab ID: **92191**
Received: **03-03-06**

Dear Mike:

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

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

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

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

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

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/kal
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project:	General Chemical Corp	Delivery:	GWA Courier	Temperature:	2.0°C
Client:	WEB Engineering	Airbill:	n/a	Chain of Custody:	Present
Lab ID:	92191	Lab Receipt:	03-03-06	Custody Seal(s):	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
92191-1	GZA-15S	Aqueous	2/28/06 0:00	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C708797	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05
C708796	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05
C708795	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
92191-2	GZA-15D	Aqueous	2/28/06 0:00	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C708794	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05
C708791	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05
C708788	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
92191-3	GZA-15R	Aqueous	2/28/06 0:00	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C708790	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05
C708789	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05
C708782	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
92191-4	GZA-14M	Aqueous	2/28/06 13:47	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C708786	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05
C708785	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05
C708784	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
92191-5	GZA-14S	Aqueous	2/28/06 13:30	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C708783	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05
C708780	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05
C708779	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
92191-6	GZ-5S	Aqueous	2/28/06 14:10	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C708778	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05
C708777	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05
C708776	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
92191-7	MMW-2S	Aqueous	3/1/06 9:17	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C708774	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05
C708773	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05
C708772	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project: **General Chemical Corp**
Client: **WEB Engineering**
Lab ID: **92191**

Delivery: **GWA Courier**
Airbill: n/a
Lab Receipt: **03-03-06**

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

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-8	WMW-2D		Aqueous	3/1/06 10:02	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C708771	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708770	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708764	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-9	WMW-7		Aqueous	3/1/06 10:50	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C708768	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708767	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708766	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-10	WMW-6		Aqueous	3/1/06 11:49	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C708762	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708761	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708760	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-11	WMW-5		Aqueous	3/1/06 13:10	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C708759	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708756	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708755	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-12	WMW-3		Aqueous	3/1/06 13:58	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C708758	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708753	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708752	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-13	GZ-7		Aqueous	3/2/06 9:30	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C708754	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708748	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708747	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-14	GZ-7R		Aqueous	3/2/06 10:06	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C708750	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708744	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708738	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project:	General Chemical Corp	Delivery:	GWA Courier	Temperature:	2.0°C
Client:	WEB Engineering	Airbill:	n/a	Chain of Custody:	Present
Lab ID:	92191	Lab Receipt:	03-03-06	Custody Seal(s):	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
92191-15	WMW-4	Aqueous	3/2/06 11:03	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C708740	40 mL VOA Vial	Proline	BX19168	HCl	R-4601	12-02-05	12-07-05
C708734	40 mL VOA Vial	Proline	BX19168	HCl	R-4601	12-02-05	12-07-05
C708728	40 mL VOA Vial	Proline	BX19168	HCl	R-4601	12-02-05	12-07-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
92191-16	CZ-2	Aqueous	3/2/06 12:54	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C708741	40 mL VOA Vial	Proline	BX19168	HCl	R-4601	12-02-05	12-07-05
C708735	40 mL VOA Vial	Proline	BX19168	HCl	R-4601	12-02-05	12-07-05
C708729	40 mL VOA Vial	Proline	BX19168	HCl	R-4601	12-02-05	12-07-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
92191-17	RW-2	Aqueous	3/2/06 13:39	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C708737	40 mL VOA Vial	Proline	BX19168	HCl	R-4601	12-02-05	12-07-05
C708736	40 mL VOA Vial	Proline	BX19168	HCl	R-4601	12-02-05	12-07-05
C708731	40 mL VOA Vial	Proline	BX19168	HCl	R-4601	12-02-05	12-07-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
92191-18	RW-4	Aqueous	3/2/06 13:48	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C679571	40 mL VOA Vial	Proline	BX18709	HCl	R-4601	10-12-05	n/a
C708742	40 mL VOA Vial	Proline	BX19168	HCl	R-4601	12-02-05	12-07-05
C708730	40 mL VOA Vial	Proline	BX19168	HCl	R-4601	12-02-05	12-07-05

GROUNDWATER ANALYTICAL

Data Certification

Project: General Chemical Corp
Client: WEB Engineering

Lab ID: 92191
Received: 03-03-06 12:40

MA DEP Compendium of Analytical Methods						
Project Location:	n/a			MA DEP RTN:	n/a	
This Form provides certifications for the following data set:						
EPA 8260B:	92191-01,-02,-03,-04,-05,-06,-07,-08, 09,-10,-11,-12,-13,-14,-15,-16,-17,-18					
Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )		
MCP SW-846 Methods Used	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )	
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )	
As specified in MA DEP Compendium of Analytical Methods, (Check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )	
	1. List Release Tracking Number (RTN), if known:					
	2. SW-846 Method 9012A (Equivalent to 9014) or MA DEP Physiologically Available Cyanide (PAC) Method					
	3. S - SW-846 Methods 7000 Series. List individual method and analyte.					

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

A.	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes
B.	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data*?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

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

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

All No answers are addressed in the attached Project Narrative.

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

Signature: [signature] Position: Operations Manager

Printed Name: Eric H. Jensen Date: 03-17-06

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organ cs by GC/MS

Field ID:	GZA-15S	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-01	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 00:00	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 11:18	Dilution Factor:	1
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	2		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	0.6		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

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

Field ID:	GZA-15S	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-01	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 00:00	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 11:18	Dilution Factor:	1
Analyst:	KMC		

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

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	9.5	95 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-15D	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Via
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-02	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 00:00	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 11:46	Dilution Factor:	1
Analyst:	KMC		

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

GROUNDWATER ANALYTICAL

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

Field ID:	GZA-15D	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-02	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 00:00	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 11:46	Dilution Factor:	1
Analyst:	KMC		

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	111 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	104 %	70 - 130 %
Toluene-d_8	10	9.8	98 %	70 - 130 %
4-Bromofluorobenzene	10	9.7	97 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-15R	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-03	QC Batch ID:	VM4-3463-W
Sampled:	02-28-06 00:00	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 12:15	Dilution Factor:	1
Analyst:	KMC		

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

GROUNDWATER ANALYTICAL

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

Field ID:	GZA-15R	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-03	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 00:00	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 12:15	Dilution Factor:	1
Analyst:	KMC		

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.9	99 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	10	103 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	G7A-14M	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-04	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 12:47	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 13:14	Dilution Factor	500
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	630		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	BRL		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	600		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	600		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	5,500		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	11,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

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

Field ID:	GZA-14M	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-04	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 12:47	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 13:14	Dilution Factor:	500
Analyst:	KMC		

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**111 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**103 %**	70 - 130 %
Toluene-d_8	10	10	**101 %**	70 - 130 %
4-Bromofluorobenzene	10	9.9	**99 %**	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-14S	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-05	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 13:30	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 14:11	Dilution Factor:	2
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1
74-87-3	Chloromethane	BRL		ug/L	1
75-01-4	Vinyl Chloride	BRL		ug/L	1
74-83-9	Bromomethane	BRL		ug/L	1
75-00-3	Chloroethane	BRL		ug/L	1
75-69-4	Trichlorofluoromethane	BRL		ug/L	1
60-29-7	Diethyl Ether	BRL		ug/L	4
75-35-4	1,1-Dichloroethene	BRL		ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	10
67-64-1	Acetone	BRL		ug/L	20
75-15-0	Carbon Disulfide	BRL		ug/L	10
75-09-2	Methylene Chloride	BRL		ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1
75-34-3	1,1-Dichloroethane	BRL		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	1
78-93-3	2-Butanone (MEK)	BRL		ug/L	10
74-97-5	Bromochloromethane	BRL		ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10
67-66-3	Chloroform	BRL		ug/L	1
71-55-6	1,1,1-Trichloroethane	3		ug/L	1
56-23-5	Carbon Tetrachloride	BRL		ug/L	1
563-58-6	1,1-Dichloropropene	BRL		ug/L	1
71-43-2	Benzene	BRL		ug/L	1
107-06-2	1,2-Dichloroethane	BRL		ug/L	1
79-01-6	Trichloroethene	24		ug/L	1
78-87-5	1,2-Dichloropropane	BRL		ug/L	1
74-95-3	Dibromomethane	BRL		ug/L	1
75-27-4	Bromodichloromethane	BRL		ug/L	1
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10
108-88-3	Toluene	BRL		ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1
127-18-4	Tetrachloroethene	52		ug/L	1
142-28-9	1,3-Dichloropropane	BRL		ug/L	1
591-78-6	2-Hexanone	BRL		ug/L	10
124-48-1	Dibromochloromethane	BRL		ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1
108-90-7	Chlorobenzene	BRL		ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1
100-41-4	Ethylbenzene	BRL		ug/L	1
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1
95-47-6	*ortho*-Xylene	BRL		ug/L	1

GROUNDWATER ANALYTICAL

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

Field ID:	GZA-14S	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-05	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 13:30	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 14:11	Dilution Factor:	2
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
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	112 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	109 %	70 - 130 %
Toluene-d_8	10	9.8	98 %	70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-5S	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-06	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 14:10	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 14:40	Dilution Factor:	2
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1
74-87-3	Chloromethane	BRL		ug/L	1
75-01-4	Vinyl Chloride	BRL		ug/L	1
74-83-9	Bromomethane	BRL		ug/L	1
75-00-3	Chloroethane	BRL		ug/L	1
75-69-4	Trichlorofluoromethane	BRL		ug/L	1
60-29-7	Diethyl Ether	BRL		ug/L	4
75-35-4	1,1-Dichloroethene	BRL		ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	10
67-64-1	Acetone	BRL		ug/L	20
75-15-0	Carbon Disulfide	BRL		ug/L	10
75-09-2	Methylene Chloride	BRL		ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1
75-34-3	1,1-Dichloroethane	BRL		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	1
78-93-3	2-Butanone (MEK)	BRL		ug/L	10
74-97-5	Bromochloromethane	BRL		ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10
67-66-3	Chloroform	BRL		ug/L	1
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	1
56-23-5	Carbon Tetrachloride	BRL		ug/L	1
563-58-6	1,1-Dichloropropene	BRL		ug/L	1
71-43-2	Benzene	BRL		ug/L	1
107-06-2	1,2-Dichloroethane	BRL		ug/L	1
79-01-6	Trichloroethene	7		ug/L	1
78-87-5	1,2-Dichloropropane	BRL		ug/L	1
74-95-3	Dibromomethane	BRL		ug/L	1
75-27-4	Bromodichloromethane	BRL		ug/L	1
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10
108-88-3	Toluene	BRL		ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1
127-18-4	Tetrachloroethene	31		ug/L	1
142-28-9	1,3-Dichloropropane	BRL		ug/L	1
591-78-6	2-Hexanone	BRL		ug/L	10
124-48-1	Dibromochloromethane	BRL		ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1
108-90-7	Chlorobenzene	BRL		ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1
100-41-4	Ethylbenzene	BRL		ug/L	1
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1
95-47-6	*ortho*-Xylene	BRL		ug/L	1

GROUNDWATER ANALYTICAL

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

Field ID:	GZ-5S	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-06	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 14:10	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 14:40	Dilution Factor:	2
Analyst:	KMC		

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	103 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	9.7	97 %	70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-2S	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-07	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 09:17	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 15:09	Dilution Factor:	1
Analyst:	KMC		

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

GROUNDWATER ANALYTICAL

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

Field ID:	WMW-2S	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-07	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 09:17	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 15:09	Dilution Factor:	1
Analyst:	KMC		

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	104 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	9.9	99 %	70 - 130 %
4-Bromofluorobenzene	10	9.7	97 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-2D	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-08	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 10:02	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 15:38	Dilution Factor:	2
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1
74-87-3	Chloromethane	BRL		ug/L	1
75-01-4	Vinyl Chloride	BRL		ug/L	1
74-83-9	Bromomethane	BRL		ug/L	1
75-00-3	Chloroethane	BRL		ug/L	1
75-69-4	Trichlorofluoromethane	BRL		ug/L	1
60-29-7	Diethyl Ether	BRL		ug/L	4
75-35-4	1,1-Dichloroethene	4		ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	10
67-64-1	Acetone	BRL		ug/L	20
75-15-0	Carbon Disulfide	BRL		ug/L	10
75-09-2	Methylene Chloride	BRL		ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1
75-34-3	1,1-Dichloroethane	21		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	1
78-93-3	2-Butanone (MEK)	BRL		ug/L	10
74-97-5	Bromochloromethane	BRL		ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10
67-66-3	Chloroform	BRL		ug/L	1
71-55-6	1,1,1-Trichloroethane	75		ug/L	1
56-23-5	Carbon Tetrachloride	BRL		ug/L	1
563-58-6	1,1-Dichloropropene	BRL		ug/L	1
71-43-2	Benzene	BRL		ug/L	1
107-06-2	1,2-Dichloroethane	BRL		ug/L	1
79-01-6	Trichloroethene	1		ug/L	1
78-87-5	1,2-Dichloropropane	BRL		ug/L	1
74-95-3	Dibromomethane	BRL		ug/L	1
75-27-4	Bromodichloromethane	BRL		ug/L	1
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10
108-88-3	Toluene	BRL		ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1
127-18-4	Tetrachloroethene	9		ug/L	1
142-28-9	1,3-Dichloropropane	BRL		ug/L	1
591-78-6	2-Hexanone	BRL		ug/L	10
124-48-1	Dibromochloromethane	BRL		ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1
108-90-7	Chlorobenzene	BRL		ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1
100-41-4	Ethylbenzene	BRL		ug/L	1
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1
95-47-6	*ortho*-Xylene	BRL		ug/L	1

GROUNDWATER ANALYTICAL

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

Field ID:	WMW-2D	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-08	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 10:02	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 15:38	Dilution Factor:	2
Analyst:	KMC		

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	106 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	102 %	70 - 130 %
Toluene-d_8	10	9.8	98 %	70 - 130 %
4-Bromofluorobenzene	10	9.6	96 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-7	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-09	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 10:50	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 16:07	Dilution Factor:	1
Analyst:	KMC		

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

GROUNDWATER ANALYTICAL

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

Field ID:	WMW-7	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-09	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 10:50	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 16:07	Dilution Factor:	1
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	3		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	4		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	5		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	tert-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	22		ug/L	0.5
135-98-8	sec-Butylbenzene	1		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	2		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	1		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	4		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	105 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	104 %	70 - 130 %
Toluene-d_8	10	9.5	95 %	70 - 130 %
4-Bromofluorobenzene	10	9.8	98 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-6	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-10	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 11:49	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 16:36	Dilution Factor:	2000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1000
74-87-3	Chloromethane	BRL		ug/L	1000
75-01-4	Vinyl Chloride	BRL		ug/L	1000
74-83-9	Bromomethane	BRL		ug/L	1000
75-00-3	Chloroethane	BRL		ug/L	1000
75-69-4	Trichlorofluoromethane	BRL		ug/L	1000
60-29-7	Diethyl Ether	BRL		ug/L	4000
75-35-4	1,1-Dichloroethene	2,000		ug/L	1000
76-13-1	1,1,2-Trichlorotrifluoroethane	3,000		ug/L	10000
67-64-1	Acetone	BRL		ug/L	20000
75-15-0	Carbon Disulfide	BRL		ug/L	10000
75-09-2	Methylene Chloride	BRL		ug/L	5000
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1000
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1000
75-34-3	1,1-Dichloroethane	BRL		ug/L	1000
594-20-7	2,2-Dichloropropane	BRL		ug/L	1000
156-59-2	*cis*-1,2-Dichloroethene	2,000		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	3,000		ug/L	1000
56-23-5	Carbon Tetrachloride	BRL		ug/L	1000
563-58-6	1,1-Dichloropropene	BRL		ug/L	1000
71-43-2	Benzene	BRL		ug/L	1000
107-06-2	1,2-Dichloroethane	BRL		ug/L	1000
79-01-6	Trichloroethene	4,300		ug/L	1000
78-87-5	1,2-Dichloropropane	BRL		ug/L	1000
74-95-3	Dibromomethane	BRL		ug/L	1000
75-27-4	Bromodichloromethane	BRL		ug/L	1000
123-91-1	1,4-Dioxane	BRL		ug/L	1000000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1000
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10000
108-88-3	Toluene	BRL		ug/L	1000
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1000
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1000
127-18-4	Tetrachloroethene	6,000		ug/L	1000
142-28-9	1,3-Dichloropropane	BRL		ug/L	1000
591-78-6	2-Hexanone	BRL		ug/L	10000
124-48-1	Dibromochloromethane	BRL		ug/L	1000
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1000
108-90-7	Chlorobenzene	BRL		ug/L	1000
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1000
100-41-4	Ethylbenzene	BRL		ug/L	1000
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1000
95-47-6	*ortho*-Xylene	BRL		ug/L	1000

GROUNDWATER ANALYTICAL

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

Field ID:	WMW-6	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-10	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 11:49	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 16:36	Dilution Factor:	2000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1000
75-25-2	Bromoform	BRL		ug/L	1000
98-82-8	Isopropylbenzene	BRL		ug/L	1000
108-86-1	Bromobenzene	BRL		ug/L	1000
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1000
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1000
103-65-1	*n*-Propylbenzene	BRL		ug/L	1000
95-49-8	2-Chlorotoluene	BRL		ug/L	1000
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1000
106-43-4	4-Chlorotoluene	BRL		ug/L	1000
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1000
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1000
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1000
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1000
99-87-6	4-Isopropyltoluene	BRL		ug/L	1000
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1000
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1000
104-51-8	*n*-Butylbenzene	BRL		ug/L	1000
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1000
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1000
87-68-3	Hexachlorobutadiene	BRL		ug/L	1000
91-20-3	Naphthalene	BRL		ug/L	1000
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1000
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1000
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1000
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1000

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.6	96 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.9	89 %	70 - 130 %
Toluene-d_8	10	9.4	94 %	70 - 130 %
4-Bromofluorobenzene	10	9.1	91 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-5	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-11	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 13:10	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 17:05	Dilution Factor:	500
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	340		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	BRL		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	BRL		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	10,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	7,200		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	11,000		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	11,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

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

Field ID:	WMW-5	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-11	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 13:10	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 17:05	Dilution Factor:	500
Analyst:	KMC		

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.8	98 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.4	84 %	70 - 130 %
Toluene-d_8	10	9.9	99 %	70 - 130 %
4-Bromofluorobenzene	10	9.7	97 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-3	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-12	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 13:58	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 17:34	Dilution Factor:	5
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	2.5
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	2.5
60-29-7	Diethyl Ether	BRL		ug/L	10
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	25
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	19		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
74-97-5	Bromochloromethane	BRL		ug/L	2.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	25
67-66-3	Chloroform	4		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	57		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	74		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
74-95-3	Dibromomethane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
123-91-1	1,4-Dioxane	BRL		ug/L	250
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	220		ug/L	2.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5

GROUNDWATER ANALYTICAL

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

Field ID:	WMW-3	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-12	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 13:58	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 17:34	Dilution Factor:	5
Analyst:	KMC		

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	107 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	102 %	70 - 130 %
Toluene-d_8	10	10	100 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-7	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-13	QC Batch ID:	VM7-2058-W
Sampled:	03-02-06 09:30	Instrument ID:	MS-7 Agilent 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-11-06 15:33	Dilution Factor:	1
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	0.7		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	0.5		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	0.9		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	0.6		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

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

Field ID:	GZ-7	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-13	QC Batch ID:	VM7-2058-W
Sampled:	03-02-06 09:30	Instrument ID:	MS-7 Agilent 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-11-06 15:33	Dilution Factor:	1
Analyst:	CCT		

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	115 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	111 %	70 - 130 %
Toluene-d_8	10	12	117 %	70 - 130 %
4-Bromofluorobenzene	10	11	112 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1995). Sample preparation performed by EPA Method 5030B.

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-7R	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-14	QC Batch ID:	VM7-2058-W
Sampled:	03-02-06 10:06	Instrument ID:	MS-7 Agilent 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-11-06 16:03	Dilution Factor:	1
Analyst:	CCT		

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

GROUNDWATER ANALYTICAL

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

Field ID:	GZ-7R	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-14	QC Batch ID:	VM7-2058-W
Sampled:	03-02-06 10:06	Instrument ID:	MS-7 Agilent 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-11-06 16:03	Dilution Factor:	1
Analyst:	CCT		

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	118 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	112 %	70 - 130 %
Toluene-d_8	10	12	116 %	70 - 130 %
4-Bromofluorobenzene	10	11	113 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-4	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HC /Cool
Laboratory ID:	92191-15	QC Batch ID:	VM4-3466-W
Sampled:	03-02-06 11:02	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-10-06 02:35	Dilution Factor:	200
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	100
74-87-3	Chloromethane	BRL		ug/L	100
75-01-4	Vinyl Chloride	BRL		ug/L	100
74-83-9	Bromomethane	BRL		ug/L	100
75-00-3	Chloroethane	BRL		ug/L	100
75-69-4	Trichlorofluoromethane	BRL		ug/L	100
60-29-7	Diethyl Ether	BRL		ug/L	400
75-35-4	1,1-Dichloroethene	BRL		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	2,800		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	BRL		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	160		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	9,100		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	540		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	5,300		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

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

Field ID:	WMW-4	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-15	QC Batch ID:	VM4-3466-W
Sampled:	03-02-06 11:02	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-10-06 02:35	Dilution Factor:	200
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	100
75-25-2	Bromoform	BRL		ug/L	100
98-82-8	Isopropylbenzene	BRL		ug/L	100
108-86-1	Bromobenzene	BRL		ug/L	100
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	100
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	100
103-65-1	*n*-Propylbenzene	BRL		ug/L	100
95-49-8	2-Chlorotoluene	BRL		ug/L	100
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	100
106-43-4	4-Chlorotoluene	BRL		ug/L	100
98-06-6	*tert*-Butylbenzene	BRL		ug/L	100
95-63-6	1,2,4-Trimethylbenzene	210		ug/L	100
135-98-8	*sec*-Butylbenzene	BRL		ug/L	100
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	100
99-87-6	4-Isopropyltoluene	BRL		ug/L	100
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	100
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	100
104-51-8	*n*-Butylbenzene	BRL		ug/L	100
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	100
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	100
87-68-3	Hexachlorobutadiene	BRL		ug/L	100
91-20-3	Naphthalene	110		ug/L	100
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	100
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	4000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	100
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	100
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	100

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	101 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	10	102 %	70 - 130 %
4-Bromofluorobenzene	10	9.8	98 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-2	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-16	QC Batch ID:	VM7-2058-W
Sampled:	03-02-06 12:54	Instrument ID:	MS-7 Agilent 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-11-06 16:33	Dilution Factor:	1
Analyst:	CCT		

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

GROUNDWATER ANALYTICAL

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

Field ID:	GZ-2	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-16	QC Batch ID:	VM7-2058-W
Sampled:	03-02-06 12:54	Instrument ID:	MS-7 Agilent 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-11-06 16:33	Dilution Factor:	1
Analyst:	CCT		

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	119 %	70 - 130 %
1,2-Dichloroethane-d_4	10	12	116 %	70 - 130 %
Toluene-d_8	10	10	105 %	70 - 130 %
4-Bromofluorobenzene	10	11	106 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

Project Narrative

Project:	General Chemical Corp	Lab ID:	92191
Client:	WEB Engineering	Received:	03-03-06 12:40

A. Documentation and Client Communication

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

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

B. Method Modifications, Non-Conformances and Observations

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

1. EPA 8260B Non-conformance: Samples 92191-13,-14,-16. Laboratory control sample (LCS) analyte 1,4-Dioxane was above recommended recovery limits for QC batch VM7-2058-W
2. EPA 8260B Note: Samples 92191-04,-05,-06,-08,-10,-11,-12,-15,-17 and -18. Sample were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

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

GROUNDWATER ANALYTICAL

228 Main St.
Buzzards Bay, MA 02532
Tel: (508) 759-4441 Fax: (508) 759-4475

№ 207044

Project Name: General Chemical Corp	Firm: [illegible]
Project Number:	Address: [illegible]
Sampler Name: Bruce Obarsky	Fax #: [illegible]
Project Manager: Michael Hudson	Telephone: 781-878-1146

INSTRUCTIONS: Use separate line for each container/preservative type.

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Container Type & Preservative	Analysis Requested
3/2/6		GZA-18S	X		
3/2/6		GZA-19D	X		
3/2/6		GZA-18D	X		
3/2/6	12:17	GZA-17D	X		
3/2/6	1:30	GZA-14S	X		
3/2/6	2:10	GZA-13	X		
3/1/6	9:17am	MW-15	X		
3/1/6	9:50	MW-20	X		
3/1/6	10:30	MW-7	X		
3/1/6	11:49	MW-6	X		
3/1/6	1:10pm	MW-5	X		
3/1/6	1:58	MW-3	X		

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

☐ YES ☐ NO "QC" Data Certification required

☐ YES ☐ NO GW-1 Drinking Water Sample Included

(Require collection of contingent duplicate sample)

Trip blanks are also required, if VOA sample collected.

Signature: _____

DATA GLA[illegible] TYPE

Regulatory Programs

State: Standards

☐ CT: RCSA GW-2 ☐ RCP 3 Form

☐ ME: ☐ MCP GW-2/S-2 ☐ MW-1 BA

☐ MA: ☐ MCP S-1/GW-1

☐ NH: ☐ Drinking Water

☐ NY: ☐ Wastewater

☐ RI: ☐ Waste Disposal

☐ VT: ☐ Drinking Water

☐ ___ ☐ _____

Project Specific QC Required

☐ Sample Duplicate

☐ Matrix Spike

☐ Matrix Spike Duplicate

Select One of QC Sample

Please note sample

CHAIN-OF-CUSTODY RECORD

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

Relinquished by Sampler:	Date	Time	Received by:	Regional Temperature:
Bruce Obarsky	3/6	1100	[illegible]	(Lab) Received at 2 °C (Regional)
Relinquished by:	Date	Time	Received by:	Container Count:
[illegible]	3/6	1PM	[illegible]	36
Relinquished by:	Date	Time	Received by Laboratory	Shipping Airbill Number:
Method of Shipment: ☐ GWA Courier ☐ Express Mail ☐ Federal Express ☐ UPS ☐ Hand Fl[illegible]				Custody Seal Number:

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GROUNDWATER ANALYTICAL

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Buzzards Bay, MA 02532
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www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 207045

Project Name: General chemical coll.	Firm: WEB Engineering
Project Number:	Address: 104 Longwater Drive
Sampler Name: Bruce Obonsky	City / State / Zip: Norwell MA 02061
Project Manager: Michael Hudson	Telephone: 781-878-7766

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

TURNAROUND

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

BILLING

- [ ] Purchase Order No.: _____
- [ ] Third Party Billing: _____
- [ ] GWA Quote: _____

ANALYSIS REQUEST

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix: GROUNDWATER	Matrix: DRINKING WATER	Matrix: WASTEWATER	Matrix: SOIL	Matrix: OTHER (Specify)	Matrix: SOLID/SEMI-SOLID (Specify)	Type: COMPOSITE	Type: GRAB	Container(s): 40mL VOA Vial	Container(s): 40mL VOA Vial - Methanol Preserved	Container(s): 60mL Glass Vial	Container(s): 120mL Glass Vial	Container(s): 250mL Amber Glass	Container(s): 500mL Amber Plastic	Container(s): 500mL Plastic	Container(s): 1 Liter Amber Glass	Container(s): 1 Liter Plastic	Container(s): Encore	Container(s): 2oz Plastic	Container(s): Other	Preservation: HCl	Preservation: NaHSO4	Preservation: H2SO4	Preservation: HNO3	Preservation: NaOH	Preservation: Ascorbic Acid	Preservation: NH4Cl	Preservation: Other	Filtered: YES	Filtered: NO	LABORATORY NUMBER (Lab Use Only)
3-2-06	9:30	GZ-7	X							X	3X												X									
3-2-06	10:06	GZ-7R	X							X	3X												X									
3-2-06	11:02	WMW-4	X							X	3X												X									
3-2-06	12:11	GZ-2	X							X	3X												X									
3-2-06	1:31	RW-2	X							X	3X												X									
3-2-06	1:48	RW-4	X							X	3X												X									

Volatiles: 8260 Full List; 8260 VOC + Naphthalene; 8260 Fuel Oxygenates (DIPE, ETBE, MTBE, TAME, TBA); 8260 Chlorinated Solvents; 8260 Aromatic Hydrocarbons; 8260 Halocarbons; 8260 MTBE; 8260 Naphthalene; 8260 Oxygenates (DIPE, ETBE, MTBE, TAME, TBA); 8260 Volatile Petroleum Hydrocarbons; 8260 Other; 524.2 Drinking Water; 524.2 Drinking Water + MTBE; 524.2 Drinking Water + Oxygenates; 524.2 Drinking Water + Naphthalene; 524.2 Drinking Water + Oxygenates + Naphthalene; 524.2 Drinking Water + VPH; 524.2 Drinking Water + Other; Other

Semivolatiles: 8270 Full List; 8270 Base/Neutrals; 8270 Acids; 8270 Polynuclear Aromatic Hydrocarbons; 8270 Chlorinated Hydrocarbons; 8270 Other; Other

Pest./Herb./PCBs: Extractable; Vol.; 8081 Pesticides; 8082 PCBs; 8151 Herbicides; Other

Metals: Total; Dissolved; 6010 RCRA; 6010 Priority Pollutant; 6010 Target Analyte List; 6010 Other; 7000 Series; Other

Petroleum Hydrocarbons: Ext. TPH; Vol. TPH; MA DEP VPH; MA DEP EPH; MA DEP VPH & EPH; NWTPH-Gx; NWTPH-Dx; Other

Haz. Waste: TCLP Volatiles; TCLP Semivolatiles; TCLP Pesticides; TCLP Herbicides; TCLP Metals; TCLP Other; Ignitability; Corrosivity; Reactivity; Cyanide; Sulfide; Other

General Chemistry: Alkalinity; Ammonia; Biochemical Oxygen Demand; Chemical Oxygen Demand; Chloride; Color; Conductivity; Cyanide; Dissolved Oxygen; Fecal Coliform; Hardness; Nitrate; Nitrite; Nitrate-Nitrite; Oil & Grease; pH; Phenols; Phosphorus; Solids; Sulfate; Sulfide; Total Coliform; Total Kjeldahl Nitrogen; Turbidity; Other

Other: Biological Tissue Analysis; Chemical Analysis; Flashpoint; Ignitability; Other

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 spotlight duplicate sample. Trip Blank are also required, if VOA sample collected).

Signature: _____

DATA QUALITY OBJECTIVES

Regulatory Program:

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

Project Specific QC

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

Project Specific QC Required	Selection of QC Sample
[ ] Sample Duplicate	[ ] Please use Sample: _____
[ ] Matrix Spike	
[ ] Matrix Spike Duplicate	

CHAIN-OF-CUSTODY RECORD

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

Relinquished by Sampler: Bruce Obonsky	Date: 3-3-06 Time: 1100	Received by:	Receipt Temperature: 2
Relinquished by:	Date: 3/6 Time: 1200	Received by:	Container Count: 18
Relinquished by:	Date: Time:	Received by Laboratory:	Shipping/Airbill Number:
Method of Shipment: [ ] GWA Courier [ ] Express Mail [ ] Federal Express [ ] UPS [ ] Hand Delivered			Custody Seal Number:

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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:	VM4-3465-WL	Analyzed:	03-09-06 08:53	Analyzed:	03-09-06 09:21
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	9.5	95 %	10	8.1	81 %	17 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.9	99 %	10	9.1	91 %	9 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	10	104 %	10	9.6	96 %	8 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.2	92 %	10	9.6	96 %	4 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	103 %	10	10	103 %	0 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9.9	99 %	10	9.7	97 %	1 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	17	87 %	20	18	89 %	2 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	105 %	10	9.7	97 %	8 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	20	98 %	20	18	91 %	8 %	70 - 130 %	25%
67-64-1	Acetone	20	17	87 %	20	16	80 %	9 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	16	78 %	20	15	75 %	4 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	11	108 %	10	9.4	94 %	14 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.9	99 %	10	9.5	95 %	5 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	8.5	85 %	10	9	90 %	6 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	11	108 %	10	11	106 %	2 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	11	113 %	10	10	102 %	11 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	107 %	20	19	94 %	13 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	113 %	10	11	109 %	4 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	20	101 %	20	19	96 %	5 %	70 - 130 %	25%
67-66-3	Chloroform	10	10	101 %	10	10	103 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	104 %	10	9.8	98 %	6 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	11	106 %	10	9.6	96 %	10 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	11	105 %	10	9.5	95 %	11 %	70 - 130 %	25%
71-43-2	Benzene	10	10	101 %	10	9.6	96 %	5 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.6	96 %	10	9.6	96 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.9	99 %	10	9.3	93 %	6 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	11	106 %	10	10	101 %	5 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	10	103 %	10	11	107 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	105 %	10	10	102 %	3 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	150	73 %	200	140	71 %	3 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	11	105 %	10	9.5	95 %	11 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	17	87 %	20	18	92 %	5 %	70 - 130 %	25%
108-88-3	Toluene	10	9.6	96 %	10	9.7	97 %	2 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	11	106 %	10	11	110 %	3 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	103 %	10	11	107 %	3 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	11	107 %	10	10	102 %	5 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	103 %	10	11	107 %	4 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	21	105 %	20	21	106 %	1 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	10	104 %	10	11	109 %	5 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	110 %	10	11	112 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	101 %	10	9.9	99 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	108 %	10	10	101 %	6 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	104 %	10	10	100 %	4 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	105 %	20	20	100 %	4 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	101 %	10	9.8	98 %	3 %	70 - 130 %	25%
100-42-5	Styrene	10	10	105 %	10	10	102 %	3 %	70 - 130 %	25%
75-25-2	Bromoform	10	11	113 %	10	11	111 %	2 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3465-WL	Analyzed:	03-09-06 08:53	Analyzed:	03-09-06 09:21
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	10	102 %	10	10	102 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	11	108 %	10	10	101 %	7 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	12	118 %	10	11	114 %	4 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	104 %	10	10	103 %	2 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.7	97 %	10	9.7	97 %	1 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	101 %	10	9.8	98 %	3 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	10	100 %	10	9.6	96 %	4 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	101 %	10	9.7	97 %	4 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	100 %	10	9.6	96 %	4 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	10	101 %	10	9.7	97 %	5 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.6	96 %	10	9.5	95 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.2	92 %	10	9.7	97 %	5 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	10	104 %	10	9.8	98 %	6 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	11	107 %	10	10	101 %	6 %	70 - 130 %	25%
91-20-3	Naphthalene	10	11	108 %	10	11	105 %	3 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	10	103 %	10	9.5	95 %	8 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	190	93 %	200	150	75 %	22 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	11	108 %	10	9.8	98 %	10 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	10	100 %	10	9.9	99 %	1 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.1	91 %	10	8.8	88 %	3 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	11	109 %	10	11	110 %		70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	10	9.5	95 %		70 - 130 %
Toluene-d_8	10	9.4	94 %	10	10	101 %		70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	10	9.5	95 %		70 - 130 %

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3465-WB	Analyzed:	03-09-06 09:50
Matrix	Aqueous	Analyst	KMC

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

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3465-WB	Analyzed:	03-09-06 09:50
Matrix:	Aqueous	Analyst:	KMC

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	117 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	105 %	70 - 130 %
Toluene-d_8	10	10	103 %	70 - 130 %
4-Bromofluorobenzene	10	9.8	98 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3466-WL	Analyzed:	03-09-06 20:48	Analyzed:	03-09-06 21:17
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	8.3	83 %	10	8.4	84 %	1 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.3	93 %	10	8.8	88 %	5 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.1	91 %	10	9	90 %	1 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.8	88 %	10	8.7	87 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9	90 %	10	8.8	88 %	2 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	19	96 %	20	17	83 %	15 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	11	105 %	10	9.7	97 %	9 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	18	90 %	20	17	87 %	3 %	70 - 130 %	25%
67-64-1	Acetone	20	21	106 %	20	21	106 %	0 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	15	75 %	20	14	71 %	5 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	11	107 %	10	9.9	99 %	8 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	10	102 %	10	9.2	92 %	11 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9.8	98 %	10	9.5	95 %	3 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	11	106 %	10	9.3	93 %	13 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	11	112 %	10	11	110 %	2 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	106 %	20	21	104 %	1 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	107 %	10	11	108 %	1 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	23	114 %	20	20	100 %	13 %	70 - 130 %	25%
67-66-3	Chloroform	10	11	105 %	10	10	103 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.8	98 %	10	10	102 %	4 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.5	95 %	10	9.9	99 %	4 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
71-43-2	Benzene	10	9.8	98 %	10	9.8	98 %	0 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	108 %	10	10	103 %	4 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.7	97 %	10	9.5	95 %	3 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	11	110 %	10	10	105 %	5 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	112 %	10	10	104 %	7 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	150	74 %	200	140	72 %	2 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	20	102 %	20	17	87 %	16 %	70 - 130 %	25%
108-88-3	Toluene	10	10	102 %	10	9.1	91 %	11 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	11	109 %	10	11	113 %	4 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	103 %	10	11	108 %	5 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9.9	99 %	10	10	101 %	2 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	105 %	10	11	113 %	8 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	21	104 %	20	21	104 %	0 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	106 %	10	11	112 %	6 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	110 %	10	12	120 %	8 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	103 %	10	10	101 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	111 %	10	10	104 %	6 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	101 %	10	10	105 %	3 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	20	100 %	20	20	102 %	2 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	101 %	10	10	104 %	3 %	70 - 130 %	25%
100-42-5	Styrene	10	10	104 %	10	11	108 %	3 %	70 - 130 %	25%
75-25-2	Bromoform	10	12	117 %	10	12	116 %	1 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.9	99 %	10	9.8	98 %	2 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3466-WL	Analyzed:	03-09-06 20:48	Analyzed:	03-09-06 21:17
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	11	106 %	10	11	105 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	11	112 %	10	10	103 %	8 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	13	125 %	10	12	124 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	105 %	10	10	102 %	2 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	104 %	10	9.9	99 %	5 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	103 %	10	10	104 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	10	104 %	10	10	100 %	4 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	10	100 %	10	10	102 %	2 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	102 %	10	10	102 %	0 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.9	99 %	10	9.9	99 %	0 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	100 %	10	9.9	99 %	1 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	102 %	10	10	100 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	10	102 %	10	9.8	98 %	3 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.9	99 %	10	9.2	92 %	7 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	10	105 %	10	9.8	98 %	6 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.9	99 %	10	9.9	99 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	12	116 %	10	11	107 %	8 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	106 %	10	10	100 %	6 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	210	107 %	200	210	105 %	2 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	10	104 %	10	10	101 %	3 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	10	102 %	10	9.3	93 %	9 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.2	92 %	10	8.8	88 %	5 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	11	106 %	10	11	107 %		70 - 130 %
1,2-Dichloroethane-d_4	10	11	107 %	10	8.4	84 %		70 - 130 %
Toluene-d_8	10	10	104 %	10	9.3	93 %		70 - 130 %
4-Bromofluorobenzene	10	9.7	97 %	10	9.8	98 %		70 - 130 %

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: EPA Method 8260B
QC Batch ID: VM4-3466-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 03-09-06 21:46
Analyst CCT

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

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3466-WB	Analyzed:	03-09-06 21:46
Matrix:	Aqueous	Analyst:	CCT

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	102 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.4	84 %	70 - 130 %
Toluene-d_8	10	10	101 %	70 - 130 %
4-Bromofluorobenzene	10	9.8	98 %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2058-WL	Analyzed:	03-11-06 07:55	Analyzed:	03-11-06 08:24
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	5	5.9	118 %	5	6.1	121 %	3 %	70 - 130 %	25%
74-87-3	Chloromethane	5	4.9	99 %	5	5.3	106 %	7 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	5	5.1	102 %	5	5.6	112 %	9 %	70 - 130 %	25%
74-83-9	Bromomethane	5	5	100 %	5	5.4	107 %	7 %	70 - 130 %	25%
75-00-3	Chloroethane	5	5.4	107 %	5	5.8	115 %	7 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	5	5.4	108 %	5	5.6	111 %	3 %	70 - 130 %	25%
60-29-7	Diethyl Ether	10	10	102 %	10	11	105 %	3 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	5	5.3	106 %	5	5.6	112 %	6 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	10	12	117 %	10	12	123 %	5 %	70 - 130 %	25%
67-64-1	Acetone	10	11	114 %	10	11	111 %	3 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	0	9.6	96 %	10	10	100 %	4 %	70 - 130 %	25%
75-09-2	Methylene Chloride	5	5.2	104 %	5	5.3	106 %	2 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	5	5.2	104 %	5	5.4	107 %	3 %	70 - 130 %	25%
1634-04-4	Methyl tert-butyl Ether (MTBE)	5	5	100 %	5	5	101 %	1 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	5	5.3	107 %	5	5.4	109 %	2 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	5	5.1	103 %	5	5.3	106 %	3 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	5	5.6	111 %	5	5.6	112 %	1 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	10	9.6	96 %	10	9.2	92 %	4 %	70 - 130 %	25%
74-97-5	Bromochloromethane	5	5.6	112 %	5	5.5	111 %	1 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
67-66-3	Chloroform	5	5.3	106 %	5	5.4	108 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	5	5.3	106 %	5	5.5	110 %	4 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	5	5.6	112 %	5	5.8	115 %	3 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	5	5.5	110 %	5	5.8	116 %	5 %	70 - 130 %	25%
71-43-2	Benzene	5	5.3	106 %	5	5.5	109 %	3 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	5	5.5	109 %	5	5	100 %	9 %	70 - 130 %	25%
79-01-6	Trichloroethene	5	5.4	109 %	5	5.5	109 %	1 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	5	5.3	106 %	5	5.3	107 %	1 %	70 - 130 %	25%
74-95-3	Dibromomethane	5	5.3	106 %	5	5.3	105 %	1 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	5	5.7	113 %	5	5.7	114 %	0 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	100	160	160 % q	100	150	152 % q	5 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	5	5.5	110 %	5	5.6	113 %	3 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
108-88-3	Toluene	5	5.6	111 %	5	5.6	112 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	5	5.3	106 %	5	5.5	109 %	3 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	5	5.5	111 %	5	5.6	111 %	0 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	5	5.4	108 %	5	5.7	114 %	6 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	5	5.6	113 %	5	5.6	112 %	1 %	70 - 130 %	25%
591-78-6	2-Hexanone	10	10	102 %	10	10	103 %	1 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	5	5.6	112 %	5	5.7	113 %	1 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	5	5.6	112 %	5	5.6	112 %	0 %	70 - 130 %	25%
108-90-7	Chlorobenzene	5	5.3	105 %	5	5.4	108 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	5	5.6	112 %	5	5.7	114 %	2 %	70 - 130 %	25%
100-41-4	Ethylbenzene	5	5.7	114 %	5	5.9	119 %	4 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	10	11	114 %	10	12	118 %	3 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	5	5.6	112 %	5	5.8	115 %	2 %	70 - 130 %	25%
100-42-5	Styrene	5	5.7	114 %	5	5.9	118 %	4 %	70 - 130 %	25%
75-25-2	Bromoform	5	5.9	117 %	5	5.8	116 %	1 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	5	5.9	117 %	5	6.1	121 %	4 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2058-WL	Analyzed:	03-11-06 07:55	Analyzed:	03-11-06 08:24
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	5	5.5	110 %	5	5.6	112 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	5	5.7	114 %	5	5.6	113 %	1 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	5	6.2	123 %	5	6.1	121 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	5	5.9	118 %	5	6.1	122 %	3 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	5	5.6	112 %	5	5.8	116 %	3 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	5	5.9	117 %	5	6	119 %	2 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	5	5.7	114 %	5	5.8	115 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	5	5.8	115 %	5	6	119 %	3 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	5	5.8	117 %	5	5.9	118 %	1 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	5	5.7	114 %	5	6	120 %	4 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	5	5.2	104 %	5	5.4	108 %	4 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	5	5.8	115 %	5	5.9	119 %	3 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	5	5.3	106 %	5	5.4	107 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	5	5.3	105 %	5	5.3	107 %	1 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	5	5.8	117 %	5	6	121 %	3 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	5	5.3	106 %	5	5.4	109 %	2 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	5	4.9	98 %	5	5	100 %	3 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	5	5.5	110 %	5	5.7	113 %	2 %	70 - 130 %	25%
91-20-3	Naphthalene	5	4.7	93 %	5	4.7	95 %	2 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	5	5	100 %	5	5.1	102 %	2 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	100	95	95 %	100	91	91 %	4 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	5	5	99 %	5	5.1	101 %	2 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	5	4.8	96 %	5	4.9	98 %	2 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	5	4.4	87 %	5	4.5	89 %	2 %	70 - 130 %	25%

Surrogate	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	11	111 %	10	11	109 %		70 - 130 %
1,2-Dichloroethane-d_4	10	11	111 %	10	11	110 %		70 - 130 %
Toluene-d_8	10	12	117 %	10	12	115 %		70 - 130 %
4-Bromofluorobenzene	10	12	116 %	10	11	114 %		70 - 130 %

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

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

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2058-WB	Analyzed:	03-11-06 09:22
Matrix:	Aqueous	Analyst:	CCT

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

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-7 Agilent 6890**
QC Batch ID:	**VM7-2058-WB**	Analyzed:	**03-11-06 09:22**
Matrix:	**Aqueous**	Analyst:	**CCT**

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

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**111** %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**113** %	70 - 130 %
Toluene-d_8	10	11	**114** %	70 - 130 %
4-Bromofluorobenzene	10	11	**114** %	70 - 130 %

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

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

GROUNDWATER ANALYTICAL

Certifications and Approvals

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

http://www.groundwateranaly ical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0536

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

FLORIDA, Department of Health, Bureau of Laboratories, E87643

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

MAINE, Department of Human Services, MA103

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

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

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

NEW HAMPSHIRE, Department of Environmental Services, 202703

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

NEW YORK, Department of Health, 11754

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

PENNSYLVANIA, Department of Environmental Protection, 68-665

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

RHODE ISLAND, Department of Health, 54

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

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

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

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

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August 18, 2006

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

LABORATORY REPORT

Project: **General Chemical/04-E-037**
Lab ID: **97543**
Received: **08-04-06**

Dear Mike:

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

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

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

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

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

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/jll
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: **General Chemical/04-E-037**
Client: **WEB Engineering**
Lab ID: **97543**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt **08-04-06**

Temperature: **4.7'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

Lab ID	Field ID		Matrix	Sampled	Method			Notes
97543-1	GZA-15R		Aqueous	8/1/06 8:51	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711133	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711121	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711120	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
97543-2	GZA-15D		Aqueous	8/1/06 9:55	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711021	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711020	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711085	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
97543-3	GZA-15S		Aqueous	8/1/06 10:40	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711022	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711008	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711072	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
97543-4	GZA-14M		Aqueous	8/1/06 12:03	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711108	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711096	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711084	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
97543-5	GZA-14S		Aqueous	8/1/06 12:35	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711023	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711109	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711073	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
97543-6	GZ-5S		Aqueous	8/1/06 14:49	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711034	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711033	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711032	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
97543-7	GZ-19DD		Aqueous	8/2/06 8:20	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711035	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711011	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711132	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project: **General Chemical/04-E-037**
Client: **WEB Engineering**
Lab ID: **97543**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **08-04-06**

Temperature: **4.7'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

			Matrix		Method			Notes
97543-8	WMW-8D		Aqueous	8/2/06 10:47	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711067	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711055	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711043	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	

			Matrix		Method			Notes
97543-9	WMW-1S		Aqueous	8/2/06 13:15	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711068	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711056	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711044	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	

			Matrix		Method			Notes
97543-10	WMW-7		Aqueous	8/2/06 13:56	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711069	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711057	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711045	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	

			Matrix		Method			Notes
97543-11	WMW-2S		Aqueous	8/2/06 14:45	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711070	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711058	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711046	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	

			Matrix		Method			Notes
97543-12	WMW-2D		Aqueous	8/2/06 15:16	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711071	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711059	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C711047	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	

			Matrix		Method			Notes
97543-13	WMW-8S		Aqueous	8/3/06 8:07	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711009	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05	
C843997	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	
C843985	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	

			Matrix		Method			Notes
97543-14	WMW-3		Aqueous	8/3/06 8:58	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C858022	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	
C858010	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	
C858009	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project:	**General Chemical/04-E-037**	Delivery:	**GWA Courier**	Temperature:	**4.7°C**
Client:	**WEB Engineering**	Airbill:	**n/a**	Chain of Custody:	**Present**
Lab ID:	**97543**	Lab Receipt	**08-04-06**	Custody Seal(s):	**n/a**

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-15	GZ-7		Aqueous	8/3/06 9:33	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**		
C858034	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		
C843996	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		
C843984	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-16	GZ-7R		Aqueous	8/3/06 10:16	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**		
C858023	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		
C858011	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		
C858008	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-17	WMW-4		Aqueous	8/3/06 11:00	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**		
C858035	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		
C843995	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		
C843983	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-18	WMW-6		Aqueous	8/3/06 11:46	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**		
C858024	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		
C858012	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		
C858007	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		

GROUNDWATER ANALYTICAL

Data Certification

Project:	**General Chemical/04-E-037**	Lab ID:	**97543**
Client:	**WEB Engineering**	Received:	**08-04-06 18:00**

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

This Form provides certifications for the following data set:

EPA 8260B: 97543-01,-02,-03,-04,-05,-06,-07,-08,-09,-10,-11,-12,-13,-14,-15,-16,-17,-18

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

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status.

A.	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes
B.	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data* ?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

A response to questions E and F below is required for "Presumptive Certainty" status.

E.	Were all QC performance standards and recommendations for the specified methods achieved?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project Narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:		Position:	Operations Manager
Printed Name:	Eric H. Jensen	Date:	08-18-06

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**GZA-15R**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-01**	QC Batch ID:	**VM4-3623-W**
Sampled:	**08-01-06 08:51**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 16:20**	Dilution Factor:	**1**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-15R	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-01	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 08:51	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 16:20	Dilution Factor:	1
Analyst:	KMC		

		Concentration	NOTE	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 Limits
Dibromofluoromethane	10	9.5	95 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	100 %	70 - 130 %
Toluene-d_8	10	10	100 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-15D	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-02	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 09:55	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 16:49	Dilution Factor:	1
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-15D	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-02	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 09:55	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 16:49	Dilution Factor:	1
Analyst:	KMC		

		Concentration	Lab 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

		Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.4	94 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.2	92 %	70 - 130 %
Toluene-d_8	10	10	102 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-15S	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-03	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 10:40	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 17:18	Dilution Factor:	1
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**GZA-15S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-03**	QC Batch ID:	**VM4-3623-W**
Sampled:	**08-01-06 10:40**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 17:18**	Dilution Factor:	**1**
Analyst:	**KMC**		

		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

		Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.1	**91** %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	**94** %	70 - 130 %
Toluene-d_8	10	9.9	**99** %	70 - 130 %
4-Bromofluorobenzene	10	9.8	**98** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Methoc 8260B
Volatile Organics by GC/MS

Field ID:	GZA-14M	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-04	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 12:03	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 17:47	Dilution Factor:	500
Analyst:	KMC		

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	570		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	BRL		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	580		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	610		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	5,500		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	11,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**GZA-14M**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-04**	QC Batch ID:	**VM4-3623-W**
Sampled:	**08-01-06 12:03**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 17:47**	Dilution Factor:	**500**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

			Recovery	QC Limits
Dibromofluoromethane	10	8.9	**89 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	**93 %**	70 - 130 %
Toluene-d_8	10	10	**100 %**	70 - 130 %
4-Bromofluorobenzene	10	9.6	**96 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-14S	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-05	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 13:35	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 18:16	Dilution Factor:	2
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1
74-87-3	Chloromethane	BRL		ug/L	1
75-01-4	Vinyl Chloride	BRL		ug/L	1
74-83-9	Bromomethane	BRL		ug/L	1
75-00-3	Chloroethane	BRL		ug/L	1
75-69-4	Trichlorofluoromethane	BRL		ug/L	1
60-29-7	Diethyl Ether	BRL		ug/L	4
75-35-4	1,1-Dichloroethene	1		ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	10
67-64-1	Acetone	BRL		ug/L	20
75-15-0	Carbon Disulfide	BRL		ug/L	10
75-09-2	Methylene Chloride	BRL		ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1
75-34-3	1,1-Dichloroethane	BRL		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	1
78-93-3	2-Butanone (MEK)	BRL		ug/L	10
74-97-5	Bromochloromethane	BRL		ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10
67-66-3	Chloroform	BRL		ug/L	1
71-55-6	1,1,1-Trichloroethane	3		ug/L	1
56-23-5	Carbon Tetrachloride	BRL		ug/L	1
563-58-6	1,1-Dichloropropene	BRL		ug/L	1
71-43-2	Benzene	BRL		ug/L	1
107-06-2	1,2-Dichloroethane	BRL		ug/L	1
79-01-6	Trichloroethene	31		ug/L	1
78-87-5	1,2-Dichloropropane	BRL		ug/L	1
74-95-3	Dibromomethane	BRL		ug/L	1
75-27-4	Bromodichloromethane	BRL		ug/L	1
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10
108-88-3	Toluene	BRL		ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1
127-18-4	Tetrachloroethene	64		ug/L	1
142-28-9	1,3-Dichloropropane	BRL		ug/L	1
591-78-6	2-Hexanone	BRL		ug/L	10
124-48-1	Dibromochloromethane	BRL		ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1
108-90-7	Chlorobenzene	BRL		ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1
100-41-4	Ethylbenzene	BRL		ug/L	1
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1
95-47-6	*ortho*-Xylene	BRL		ug/L	1

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**GZA-14S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-05**	QC Batch ID:	**VM4-3623-W**
Sampled:	**08-01-06 13:35**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 18:16**	Dilution Factor:	**2**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1
75-25-2	Bromoform	BRL		ug/L	1
98-82-8	Isopropylbenzene	BRL		ug/L	1
108-86-1	Bromobenzene	BRL		ug/L	1
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1
103-65-1	*n*-Propylbenzene	BRL		ug/L	1
95-49-8	2-Chlorotoluene	BRL		ug/L	1
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1
106-43-4	4-Chlorotoluene	BRL		ug/L	1
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1
99-87-6	4-Isopropyltoluene	BRL		ug/L	1
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1
104-51-8	*n*-Butylbenzene	BRL		ug/L	1
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1
87-68-3	Hexachlorobutadiene	BRL		ug/L	1
91-20-3	Naphthalene	BRL		ug/L	1
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1

	Spike Amount	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	95 %	70 - 130 %
Toluene-d_8	10	9.9	99 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-5S	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-06	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 14:49	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 18:45	Dilution Factor:	1
Analyst:	KMC		

CAS 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	0.6		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	0.7		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	12		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	42		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-5S	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-06	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 14:49	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 18:45	Dilution Factor:	1
Analyst:	KMC		

		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

		Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.9	99 %	70 - 130 %
Toluene-d_8	10	9.4	94 %	70 - 130 %
4-Bromofluorobenzene	10	9.4	94 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996)
Sample preparation performed by EPA Method 5030B

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**GZ-19DD**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-07**	QC Batch ID:	**VM4-3624-W**
Sampled:	**08-02-06 08:20**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-16-06 11:07**	Dilution Factor:	**1000**
Analyst:	**KMC**		

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	4,000		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	23,000		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	630		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	29,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	25,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	25,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	10,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**GZ-19DD**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-07**	QC Batch ID:	**VM4-3624-W**
Sampled:	**08-02-06 08:20**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-16-06 11:07**	Dilution Factor:	**1000**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

		Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.8	**98 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**104 %**	70 - 130 %
Toluene-d_8	10	10	**103 %**	70 - 130 %
4-Bromofluorobenzene	10	9.8	**98 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-8D**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-08**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 10:47**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 18:43**	Dilution Factor:	**5000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	2500
74-87-3	Chloromethane	BRL		ug/L	2500
75-01-4	Vinyl Chloride	BRL		ug/L	2500
74-83-9	Bromomethane	BRL		ug/L	2500
75-00-3	Chloroethane	BRL		ug/L	2500
75-69-4	Trichlorofluoromethane	BRL		ug/L	2500
60-29-7	Diethyl Ether	BRL		ug/L	10000
75-35-4	1,1-Dichloroethene	BRL		ug/L	2500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	25000
67-64-1	Acetone	BRL		ug/L	50000
75-15-0	Carbon Disulfide	BRL		ug/L	25000
75-09-2	Methylene Chloride	BRL		ug/L	13000
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2500
75-34-3	1,1-Dichloroethane	BRL		ug/L	2500
594-20-7	2,2-Dichloropropane	BRL		ug/L	2500
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	2500
78-93-3	2-Butanone (MEK)	BRL		ug/L	25000
74-97-5	Bromochloromethane	BRL		ug/L	2500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	25000
67-66-3	Chloroform	BRL		ug/L	2500
71-55-6	1,1,1-Trichloroethane	22,000		ug/L	2500
56-23-5	Carbon Tetrachloride	BRL		ug/L	2500
563-58-6	1,1-Dichloropropene	BRL		ug/L	2500
71-43-2	Benzene	BRL		ug/L	2500
107-06-2	1,2-Dichloroethane	BRL		ug/L	2500
79-01-6	Trichloroethene	14,000		ug/L	2500
78-87-5	1,2-Dichloropropane	BRL		ug/L	2500
74-95-3	Dibromomethane	BRL		ug/L	2500
75-27-4	Bromodichloromethane	BRL		ug/L	2500
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25000
108-88-3	Toluene	BRL		ug/L	2500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2500
127-18-4	Tetrachloroethene	110,000		ug/L	2500
142-28-9	1,3-Dichloropropane	BRL		ug/L	2500
591-78-6	2-Hexanone	BRL		ug/L	25000
124-48-1	Dibromochloromethane	BRL		ug/L	2500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	2500
108-90-7	Chlorobenzene	BRL		ug/L	2500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	2500
100-41-4	Ethylbenzene	BRL		ug/L	2500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2500
95-47-6	*ortho*-Xylene	BRL		ug/L	2500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-8D**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-08**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 10:47**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 18:43**	Dilution Factor:	**5000**
Analyst:	**LMG**		

		Concentration	Units	Reporting Limit
100-42-5	Styrene	BRL	ug/L	2500
75-25-2	Bromoform	BRL	ug/L	2500
98-82-8	Isopropylbenzene	BRL	ug/L	2500
108-86-1	Bromobenzene	BRL	ug/L	2500
79-34-5	1,1,2,2-Tetrachloroethane	BRL	ug/L	2500
96-18-4	1,2,3-Trichloropropane	BRL	ug/L	2500
103-65-1	*n*-Propylbenzene	BRL	ug/L	2500
95-49-8	2-Chlorotoluene	BRL	ug/L	2500
108-67-8	1,3,5-Trimethylbenzene	BRL	ug/L	2500
106-43-4	4-Chlorotoluene	BRL	ug/L	2500
98-06-6	*tert*-Butylbenzene	BRL	ug/L	2500
95-63-6	1,2,4-Trimethylbenzene	BRL	ug/L	2500
135-98-8	*sec*-Butylbenzene	BRL	ug/L	2500
541-73-1	1,3-Dichlorobenzene	BRL	ug/L	2500
99-87-6	4-Isopropyltoluene	BRL	ug/L	2500
106-46-7	1,4-Dichlorobenzene	BRL	ug/L	2500
95-50-1	1,2-Dichlorobenzene	BRL	ug/L	2500
104-51-8	*n*-Butylbenzene	BRL	ug/L	2500
96-12-8	1,2-Dibromo-3-chloropropane	BRL	ug/L	2500
120-82-1	1,2,4-Trichlorobenzene	BRL	ug/L	2500
87-68-3	Hexachlorobutadiene	BRL	ug/L	2500
91-20-3	Naphthalene	BRL	ug/L	2500
87-61-6	1,2,3-Trichlorobenzene	BRL	ug/L	2500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL	ug/L	100000
108-20-3	Di-isopropyl Ether (DIPE)	BRL	ug/L	2500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL	ug/L	2500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL	ug/L	2500

			Recovery	QC Limits
Dibromofluoromethane	10	12	**122 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	12	**116 %**	70 - 130 %
Toluene-d_8	10	12	**120 %**	70 - 130 %
4-Bromofluorobenzene	10	12	**117 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Methoc 8260B
Volatile Organics by GC/MS

Field ID:	WMW-1S	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-09	QC Batch ID:	VM7-2219-W
Sampled:	08-02-06 13:15	Instrument ID:	MS-7 Agilent 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 19:12	Dilution Factor:	20
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	10
74-87-3	Chloromethane	BRL		ug/L	10
75-01-4	Vinyl Chloride	BRL		ug/L	10
74-83-9	Bromomethane	BRL		ug/L	10
75-00-3	Chloroethane	BRL		ug/L	10
75-69-4	Trichlorofluoromethane	BRL		ug/L	10
60-29-7	Diethyl Ether	BRL		ug/L	40
75-35-4	1,1-Dichloroethene	BRL		ug/L	10
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	100
67-64-1	Acetone	BRL		ug/L	200
75-15-0	Carbon Disulfide	BRL		ug/L	100
75-09-2	Methylene Chloride	BRL		ug/L	50
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	10
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	10
75-34-3	1,1-Dichloroethane	BRL		ug/L	10
594-20-7	2,2-Dichloropropane	BRL		ug/L	10
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	10
78-93-3	2-Butanone (MEK)	BRL		ug/L	100
74-97-5	Bromochloromethane	BRL		ug/L	10
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	100
67-66-3	Chloroform	BRL		ug/L	10
71-55-6	1,1,1-Trichloroethane	49		ug/L	10
56-23-5	Carbon Tetrachloride	BRL		ug/L	10
563-58-6	1,1-Dichloropropene	BRL		ug/L	10
71-43-2	Benzene	BRL		ug/L	10
107-06-2	1,2-Dichloroethane	BRL		ug/L	10
79-01-6	Trichloroethene	86		ug/L	10
78-87-5	1,2-Dichloropropane	BRL		ug/L	10
74-95-3	Dibromomethane	BRL		ug/L	10
75-27-4	Bromodichloromethane	BRL		ug/L	10
123-91-1	1,4-Dioxane	BRL		ug/L	10000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	10
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	100
108-88-3	Toluene	BRL		ug/L	10
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	10
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	10
127-18-4	Tetrachloroethene	740		ug/L	10
142-28-9	1,3-Dichloropropane	BRL		ug/L	10
591-78-6	2-Hexanone	BRL		ug/L	100
124-48-1	Dibromochloromethane	BRL		ug/L	10
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	10
108-90-7	Chlorobenzene	BRL		ug/L	10
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	10
100-41-4	Ethylbenzene	BRL		ug/L	10
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	10
95-47-6	*ortho*-Xylene	BRL		ug/L	10

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-1S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-09**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 13:15**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 19:12**	Dilution Factor:	**20**
Analyst:	**LMG**		

		Concentration	Notes	Units	PQL
100-42-5	Styrene	BRL		ug/L	10
75-25-2	Bromoform	BRL		ug/L	10
98-82-8	Isopropylbenzene	BRL		ug/L	10
108-86-1	Bromobenzene	BRL		ug/L	10
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	10
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	10
103-65-1	*n*-Propylbenzene	BRL		ug/L	10
95-49-8	2-Chlorotoluene	BRL		ug/L	10
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	10
106-43-4	4-Chlorotoluene	BRL		ug/L	10
98-06-6	*tert*-Butylbenzene	BRL		ug/L	10
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	10
135-98-8	*sec*-Butylbenzene	BRL		ug/L	10
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	10
99-87-6	4-Isopropyltoluene	BRL		ug/L	10
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	10
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	10
104-51-8	*n*-Butylbenzene	BRL		ug/L	10
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	10
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	10
87-68-3	Hexachlorobutadiene	BRL		ug/L	10
91-20-3	Naphthalene	BRL		ug/L	10
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	10
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	400
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	10
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	10
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	10

			Recovery	QC Limits
Dibromofluoromethane	10	12	122 %	70 - 130 %
1,2-Dichloroethane-d_4	10	12	115 %	70 - 130 %
Toluene-d_8	10	12	121 %	70 - 130 %
4-Bromofluorobenzene	10	12	117 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-7**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-10**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 13:56**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 19:42**	Dilution Factor:	**20**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	10
74-87-3	Chloromethane	BRL		ug/L	10
75-01-4	Vinyl Chloride	BRL		ug/L	10
74-83-9	Bromomethane	BRL		ug/L	10
75-00-3	Chloroethane	BRL		ug/L	10
75-69-4	Trichlorofluoromethane	BRL		ug/L	10
60-29-7	Diethyl Ether	BRL		ug/L	40
75-35-4	1,1-Dichloroethene	BRL		ug/L	10
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	100
67-64-1	Acetone	BRL		ug/L	200
75-15-0	Carbon Disulfide	BRL		ug/L	100
75-09-2	Methylene Chloride	BRL		ug/L	50
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	10
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	10
75-34-3	1,1-Dichloroethane	BRL		ug/L	10
594-20-7	2,2-Dichloropropane	BRL		ug/L	10
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	10
78-93-3	2-Butanone (MEK)	BRL		ug/L	100
74-97-5	Bromochloromethane	BRL		ug/L	10
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	100
67-66-3	Chloroform	BRL		ug/L	10
71-55-6	1,1,1-Trichloroethane	33		ug/L	10
56-23-5	Carbon Tetrachloride	BRL		ug/L	10
563-58-6	1,1-Dichloropropene	BRL		ug/L	10
71-43-2	Benzene	BRL		ug/L	10
107-06-2	1,2-Dichloroethane	BRL		ug/L	10
79-01-6	Trichloroethene	59		ug/L	10
78-87-5	1,2-Dichloropropane	BRL		ug/L	10
74-95-3	Dibromomethane	BRL		ug/L	10
75-27-4	Bromodichloromethane	BRL		ug/L	10
123-91-1	1,4-Dioxane	BRL		ug/L	10000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	10
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	100
108-88-3	Toluene	BRL		ug/L	10
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	10
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	10
127-18-4	Tetrachloroethene	570		ug/L	10
142-28-9	1,3-Dichloropropane	BRL		ug/L	10
591-78-6	2-Hexanone	BRL		ug/L	100
124-48-1	Dibromochloromethane	BRL		ug/L	10
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	10
108-90-7	Chlorobenzene	BRL		ug/L	10
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	10
100-41-4	Ethylbenzene	BRL		ug/L	10
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	10
95-47-6	*ortho*-Xylene	BRL		ug/L	10

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-7**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-10**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 13:56**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 19:42**	Dilution Factor:	**20**
Analyst:	**LMG**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	10
75-25-2	Bromoform	BRL		ug/L	10
98-82-8	Isopropylbenzene	BRL		ug/L	10
108-86-1	Bromobenzene	BRL		ug/L	10
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	10
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	10
103-65-1	*n*-Propylbenzene	BRL		ug/L	10
95-49-8	2-Chlorotoluene	BRL		ug/L	10
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	10
106-43-4	4-Chlorotoluene	BRL		ug/L	10
98-06-6	*tert*-Butylbenzene	BRL		ug/L	10
95-63-6	1,2,4-Trimethylbenzene	15		ug/L	10
135-98-8	*sec*-Butylbenzene	BRL		ug/L	10
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	10
99-87-6	4-Isopropyltoluene	BRL		ug/L	10
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	10
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	10
104-51-8	*n*-Butylbenzene	BRL		ug/L	10
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	10
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	10
87-68-3	Hexachlorobutadiene	BRL		ug/L	10
91-20-3	Naphthalene	BRL		ug/L	10
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	10
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	400
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	10
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	10
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	10

	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	**122 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	12	**117 %**	70 - 130 %
Toluene-d_8	10	12	**120 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**115 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-2S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-11**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 14:45**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 20:11**	Dilution Factor:	**20**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	10
74-87-3	Chloromethane	BRL		ug/L	10
75-01-4	Vinyl Chloride	BRL		ug/L	10
74-83-9	Bromomethane	BRL		ug/L	10
75-00-3	Chloroethane	BRL		ug/L	10
75-69-4	Trichlorofluoromethane	BRL		ug/L	10
60-29-7	Diethyl Ether	BRL		ug/L	40
75-35-4	1,1-Dichloroethene	BRL		ug/L	10
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	100
67-64-1	Acetone	BRL		ug/L	200
75-15-0	Carbon Disulfide	BRL		ug/L	100
75-09-2	Methylene Chloride	BRL		ug/L	50
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	10
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	10
75-34-3	1,1-Dichloroethane	BRL		ug/L	10
594-20-7	2,2-Dichloropropane	BRL		ug/L	10
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	10
78-93-3	2-Butanone (MEK)	BRL		ug/L	100
74-97-5	Bromochloromethane	BRL		ug/L	10
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	100
67-66-3	Chloroform	BRL		ug/L	10
71-55-6	1,1,1-Trichloroethane	50		ug/L	10
56-23-5	Carbon Tetrachloride	BRL		ug/L	10
563-58-6	1,1-Dichloropropene	BRL		ug/L	10
71-43-2	Benzene	BRL		ug/L	10
107-06-2	1,2-Dichloroethane	BRL		ug/L	10
79-01-6	Trichloroethene	50		ug/L	10
78-87-5	1,2-Dichloropropane	BRL		ug/L	10
74-95-3	Dibromomethane	BRL		ug/L	10
75-27-4	Bromodichloromethane	BRL		ug/L	10
123-91-1	1,4-Dioxane	BRL		ug/L	10000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	10
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	100
108-88-3	Toluene	BRL		ug/L	10
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	10
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	10
127-18-4	Tetrachloroethene	540		ug/L	10
142-28-9	1,3-Dichloropropane	BRL		ug/L	10
591-78-6	2-Hexanone	BRL		ug/L	100
124-48-1	Dibromochloromethane	BRL		ug/L	10
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	10
108-90-7	Chlorobenzene	BRL		ug/L	10
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	10
100-41-4	Ethylbenzene	BRL		ug/L	10
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	10
95-47-6	*ortho*-Xylene	BRL		ug/L	10

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-2S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-11**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 14:45**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 20:11**	Dilution Factor:	**20**
Analyst:	**LMG**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	10
75-25-2	Bromoform	BRL		ug/L	10
98-82-8	Isopropylbenzene	BRL		ug/L	10
108-86-1	Bromobenzene	BRL		ug/L	10
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	10
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	10
103-65-1	*n*-Propylbenzene	BRL		ug/L	10
95-49-8	2-Chlorotoluene	BRL		ug/L	10
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	10
106-43-4	4-Chlorotoluene	BRL		ug/L	10
98-06-6	*tert*-Butylbenzene	BRL		ug/L	10
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	10
135-98-8	*sec*-Butylbenzene	BRL		ug/L	10
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	10
99-87-6	4-Isopropyltoluene	BRL		ug/L	10
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	10
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	10
104-51-8	*n*-Butylbenzene	BRL		ug/L	10
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	10
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	10
87-68-3	Hexachlorobutadiene	BRL		ug/L	10
91-20-3	Naphthalene	BRL		ug/L	10
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	10
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	400
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	10
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	10
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	10

			Recovery	QC Limits
Dibromofluoromethane	10	12	**120 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**115 %**	70 - 130 %
Toluene-d_8	10	12	**120 %**	70 - 130 %
4-Bromofluorobenzene	10	12	**117 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-2D**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-12**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 15:16**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 20:41**	Dilution Factor:	**10**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	5
74-87-3	Chloromethane	BRL		ug/L	5
75-01-4	Vinyl Chloride	BRL		ug/L	5
74-83-9	Bromomethane	BRL		ug/L	5
75-00-3	Chloroethane	BRL		ug/L	5
75-69-4	Trichlorofluoromethane	BRL		ug/L	5
60-29-7	Diethyl Ether	BRL		ug/L	20
75-35-4	1,1-Dichloroethene	BRL		ug/L	5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	50
67-64-1	Acetone	BRL		ug/L	100
75-15-0	Carbon Disulfide	BRL		ug/L	50
75-09-2	Methylene Chloride	BRL		ug/L	25
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	5
75-34-3	1,1-Dichloroethane	BRL		ug/L	5
594-20-7	2,2-Dichloropropane	BRL		ug/L	5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	5
78-93-3	2-Butanone (MEK)	BRL		ug/L	50
74-97-5	Bromochloromethane	BRL		ug/L	5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	50
67-66-3	Chloroform	BRL		ug/L	5
71-55-6	1,1,1-Trichloroethane	18		ug/L	5
56-23-5	Carbon Tetrachloride	BRL		ug/L	5
563-58-6	1,1-Dichloropropene	BRL		ug/L	5
71-43-2	Benzene	BRL		ug/L	5
107-06-2	1,2-Dichloroethane	BRL		ug/L	5
79-01-6	Trichloroethene	32		ug/L	5
78-87-5	1,2-Dichloropropane	BRL		ug/L	5
74-95-3	Dibromomethane	BRL		ug/L	5
75-27-4	Bromodichloromethane	BRL		ug/L	5
123-91-1	1,4-Dioxane	BRL		ug/L	5000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	50
108-88-3	Toluene	BRL		ug/L	5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	5
127-18-4	Tetrachloroethene	370		ug/L	5
142-28-9	1,3-Dichloropropane	BRL		ug/L	5
591-78-6	2-Hexanone	BRL		ug/L	50
124-48-1	Dibromochloromethane	BRL		ug/L	5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	5
108-90-7	Chlorobenzene	BRL		ug/L	5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	5
100-41-4	Ethylbenzene	BRL		ug/L	5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	5
95-47-6	*ortho*-Xylene	BRL		ug/L	5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-2D**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-12**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 15:16**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 20:41**	Dilution Factor:	**10**
Analyst:	**LMG**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	5
75-25-2	Bromoform	BRL		ug/L	5
98-82-8	Isopropylbenzene	BRL		ug/L	5
108-86-1	Bromobenzene	BRL		ug/L	5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	5
103-65-1	*n*-Propylbenzene	BRL		ug/L	5
95-49-8	2-Chlorotoluene	BRL		ug/L	5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	5
106-43-4	4-Chlorotoluene	BRL		ug/L	5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
99-87-6	4-Isopropyltoluene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
104-51-8	*n*-Butylbenzene	BRL		ug/L	5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	200
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	5

	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	**123 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	12	**117 %**	70 - 130 %
Toluene-d_8	10	12	**121 %**	70 - 130 %
4-Bromofluorobenzene	10	12	**117 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-8S	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-13	QC Batch ID:	VM4-3624-W
Sampled:	08-03-06 08:07	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-16-06 13:03	Dilution Factor:	100
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	50
74-87-3	Chloromethane	BRL		ug/L	50
75-01-4	Vinyl Chloride	BRL		ug/L	50
74-83-9	Bromomethane	BRL		ug/L	50
75-00-3	Chloroethane	BRL		ug/L	50
75-69-4	Trichlorofluoromethane	BRL		ug/L	50
60-29-7	Diethyl Ether	BRL		ug/L	200
75-35-4	1,1-Dichloroethene	80		ug/L	50
76-13-1	1,1,2-Trichlorotrifluoroethane	570		ug/L	500
67-64-1	Acetone	BRL		ug/L	1000
75-15-0	Carbon Disulfide	BRL		ug/L	500
75-09-2	Methylene Chloride	BRL		ug/L	250
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	50
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	50
75-34-3	1,1-Dichloroethane	BRL		ug/L	50
594-20-7	2,2-Dichloropropane	BRL		ug/L	50
156-59-2	*cis*-1,2-Dichloroethene	1,800		ug/L	50
78-93-3	2-Butanone (MEK)	BRL		ug/L	500
74-97-5	Bromochloromethane	BRL		ug/L	50
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	500
67-66-3	Chloroform	BRL		ug/L	50
71-55-6	1,1,1-Trichloroethane	690		ug/L	50
56-23-5	Carbon Tetrachloride	BRL		ug/L	50
563-58-6	1,1-Dichloropropene	BRL		ug/L	50
71-43-2	Benzene	BRL		ug/L	50
107-06-2	1,2-Dichloroethane	BRL		ug/L	50
79-01-6	Trichloroethene	2,700		ug/L	50
78-87-5	1,2-Dichloropropane	BRL		ug/L	50
74-95-3	Dibromomethane	BRL		ug/L	50
75-27-4	Bromodichloromethane	BRL		ug/L	50
123-91-1	1,4-Dioxane	BRL		ug/L	5000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	50
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	500
108-88-3	Toluene	BRL		ug/L	50
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	50
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	50
127-18-4	Tetrachloroethene	1,200		ug/L	50
142-28-9	1,3-Dichloropropane	BRL		ug/L	50
591-78-6	2-Hexanone	BRL		ug/L	500
124-48-1	Dibromochloromethane	BRL		ug/L	50
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	50
108-90-7	Chlorobenzene	BRL		ug/L	50
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	50
100-41-4	Ethylbenzene	BRL		ug/L	50
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	50
95-47-6	*ortho*-Xylene	BRL		ug/L	50

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-8S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-13**	QC Batch ID:	**VM4-3624-W**
Sampled:	**08-03-06 08:07**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-16-06 13:03**	Dilution Factor:	**100**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	50
75-25-2	Bromoform	BRL		ug/L	50
98-82-8	Isopropylbenzene	BRL		ug/L	50
108-86-1	Bromobenzene	BRL		ug/L	50
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	50
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	50
103-65-1	*n*-Propylbenzene	BRL		ug/L	50
95-49-8	2-Chlorotoluene	BRL		ug/L	50
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	50
106-43-4	4-Chlorotoluene	BRL		ug/L	50
98-06-6	*tert*-Butylbenzene	BRL		ug/L	50
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	50
135-98-8	*sec*-Butylbenzene	BRL		ug/L	50
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	50
99-87-6	4-Isopropyltoluene	BRL		ug/L	50
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	50
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	50
104-51-8	*n*-Butylbenzene	BRL		ug/L	50
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	50
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	50
87-68-3	Hexachlorobutadiene	BRL		ug/L	50
91-20-3	Naphthalene	BRL		ug/L	50
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	50
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	2000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	50
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	50
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	50

	Spike Amount	Measured Amount	Recovery	Recovery Limits
Dibromofluoromethane	10	9.2	**92 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	**94 %**	70 - 130 %
Toluene-d_8	10	10	**100 %**	70 - 130 %
4-Bromofluorobenzene	10	9.4	**94 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996)
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-3	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-14	QC Batch ID:	VM4-3624-W
Sampled:	08-03-06 08:58	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-16-06 14:30	Dilution Factor:	5
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	2.5
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	2.5
60-29-7	Diethyl Ether	BRL		ug/L	10
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	25
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	4		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
74-97-5	Bromochloromethane	BRL		ug/L	2.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	14		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	35		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
74-95-3	Dibromomethane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
123-91-1	1,4-Dioxane	BRL		ug/L	2500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	190		ug/L	2.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-3**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-14**	QC Batch ID:	**VM4-3624-W**
Sampled:	**08-03-06 08:58**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-16-06 14:30**	Dilution Factor:	**5**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
98-82-8	Isopropylbenzene	BRL		ug/L	2.5
108-86-1	Bromobenzene	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	2.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	2.5
95-49-8	2-Chlorotoluene	BRL		ug/L	2.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	2.5
106-43-4	4-Chlorotoluene	BRL		ug/L	2.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	2.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	2.5
135-98-8	sec-Butylbenzene	BRL		ug/L	2.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	2.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	2.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	2.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	2.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	2.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	2.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	2.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	2.5
91-20-3	Naphthalene	BRL		ug/L	2.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	2.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	100
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	2.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	2.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	2.5

			Recovery	QC Limits
Dibromofluoromethane	10	9.6	96 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.8	98 %	70 - 130 %
Toluene-d_8	10	10	100 %	70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-7	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-15	QC Batch ID:	VM4-3624-W
Sampled:	08-03-06 09:33	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-16-06 14:59	Dilution Factor:	5
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	2.5
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	2.5
60-29-7	Diethyl Ether	BRL		ug/L	10
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	25
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	9		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
74-97-5	Bromochloromethane	BRL		ug/L	2.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	12		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	29		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
74-95-3	Dibromomethane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
123-91-1	1,4-Dioxane	BRL		ug/L	2500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	210		ug/L	2.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-7	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-15	QC Batch ID:	VM4-3624-W
Sampled:	08-03-06 09:33	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-16-06 14:59	Dilution Factor:	5
Analyst:	KMC		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
98-82-8	Isopropylbenzene	BRL		ug/L	2.5
108-86-1	Bromobenzene	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	2.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	2.5
95-49-8	2-Chlorotoluene	BRL		ug/L	2.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	2.5
106-43-4	4-Chlorotoluene	BRL		ug/L	2.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	2.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	2.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	2.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	2.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	2.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	2.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	2.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	2.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	2.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	2.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	2.5
91-20-3	Naphthalene	BRL		ug/L	2.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	2.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	100
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	2.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	2.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	2.5

	Spike Amount	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.2	92 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	10	100 %	70 - 130 %
4-Bromofluorobenzene	10	9.6	96 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-7R	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-16	QC Batch ID:	VM4-3624-W
Sampled:	08-03-06 10:16	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-16-06 15:28	Dilution Factor:	5
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	2.5
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	2.5
60-29-7	Diethyl Ether	BRL		ug/L	10
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	25
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
74-97-5	Bromochloromethane	BRL		ug/L	2.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	9		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	20		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
74-95-3	Dibromomethane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
123-91-1	1,4-Dioxane	BRL		ug/L	2500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	180		ug/L	2.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-7R	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-16	QC Batch ID:	VM4-3624-W
Sampled:	08-03-06 10:16	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-16-06 15:28	Dilution Factor:	5
Analyst:	KMC		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
98-82-8	Isopropylbenzene	BRL		ug/L	2.5
108-86-1	Bromobenzene	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	2.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	2.5
95-49-8	2-Chlorotoluene	BRL		ug/L	2.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	2.5
106-43-4	4-Chlorotoluene	BRL		ug/L	2.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	2.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	2.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	2.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	2.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	2.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	2.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	2.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	2.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	2.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	2.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	2.5
91-20-3	Naphthalene	BRL		ug/L	2.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	2.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	100
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	2.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	2.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	2.5

		Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.2	92 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.9	99 %	70 - 130 %
Toluene-d_8	10	10	101 %	70 - 130 %
4-Bromofluorobenzene	10	9.6	96 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-4**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-17**	QC Batch ID:	**VM4-3625-W**
Sampled:	**08-03-06 11:00**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-17-06 10:44**	Dilution Factor:	**200**
Analyst:	**KMC**		

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	320		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	2,000		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	4,700		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	160		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	9,000		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	530		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	2,100		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	5,900		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-4**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-17**	QC Batch ID:	**VM4-3625-W**
Sampled:	**08-03-06 11:00**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-17-06 10:44**	Dilution Factor:	**200**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	100
75-25-2	Bromoform	BRL		ug/L	100
98-82-8	Isopropylbenzene	BRL		ug/L	100
108-86-1	Bromobenzene	BRL		ug/L	100
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	100
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	100
103-65-1	n-Propylbenzene	BRL		ug/L	100
95-49-8	2-Chlorotoluene	BRL		ug/L	100
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	100
106-43-4	4-Chlorotoluene	BRL		ug/L	100
98-06-6	tert-Butylbenzene	BRL		ug/L	100
95-63-6	1,2,4-Trimethylbenzene	**180**		ug/L	100
135-98-8	sec-Butylbenzene	BRL		ug/L	100
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	100
99-87-6	4-Isopropyltoluene	BRL		ug/L	100
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	100
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	100
104-51-8	n-Butylbenzene	BRL		ug/L	100
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	100
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	100
87-68-3	Hexachlorobutadiene	BRL		ug/L	100
91-20-3	Naphthalene	**100**		ug/L	100
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	100
75-65-0	tert-Butyl Alcohol (TBA)	BRL		ug/L	4000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	100
637-92-3	Ethyl tert-butyl Ether (ETBE)	BRL		ug/L	100
994-05-8	tert-Amyl Methyl Ether (TAME)	BRL		ug/L	100

		Spiked	Recovery	QC Limits
Dibromofluoromethane	10	9.8	**98** %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**101** %	70 - 130 %
Toluene-d_8	10	10	**100** %	70 - 130 %
4-Bromofluorobenzene	10	9.6	**96** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-6	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-18	QC Batch ID:	VM4-3625-W
Sampled:	08-03-06 11:46	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-17-06 11:13	Dilution Factor:	1000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	2,400		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	12,000		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	6,600		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	32,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	36,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	13,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	3,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-6**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-18**	QC Batch ID:	**VM4-3625-W**
Sampled:	**08-03-06 11:46**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-17-06 11:13**	Dilution Factor:	**1000**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

		Spiked	Recovery	QC Limits
Dibromofluoromethane	10	9.4	94 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.8	98 %	70 - 130 %
Toluene-d_8	10	10	100 %	70 - 130 %
4-Bromofluorobenzene	10	9.6	96 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Na rative

Project:	**General Chemical/04-E-037**	Lab ID:	**97543**
Client:	**WEB Engineering**	Received:	**08-04-06 18:00**

A. Documentation and Cli ent Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendr ients were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Non-conformance: Samples 97543-01 through 06. Laboratory control sample (LCS) analyte 1,4 Dioxane was above recommended recovery limits for QC batch VM4-3623-W.
2. EPA 8260B Non-conformance: Samples 97543-08 through -12. Laboratory control sample (LCS) analytes Methylene chloride, 1,4-Dioxane were above recommended recovery limits for QC batch VM7-2219-W.
3. EPA 8260B Non-conformance: Samples 97543-07 and -13 through -16. Laboratory control sample (LCS) analytes 1,4 Dioxane, 1,2,3- Trichloropropane were above recommended recovery limits for QC batch VM4-3624-W.
4. EPA 8260B Non-conformance: Samples 97543-17 and -18. Laboratory control sample (LCS) analytes Tetrahydrofuran, 1,4-Dioxane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane were above recommended recovery limits for QC batch VM4-3625-W.
5. EPA 8260B Note: Samples 97543-07 through -18. Sample were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

GROUNDWATER ANALYTICAL

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CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 205224

Project Name: General Chemical	Firm: WEB Engineering
Project Number: 04-B-037	Address: 104 Longwater Drive
Sampler Name: Bruce Obodsky	City / State / Zip: Norwell MA 02061
Project Manager: Mike Hudson	Telephone: 781-878-7766

INSTRUCTIONS: Use separate line for each container (except replicates).

TURNAROUND

- [x] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN: _____)
  (Rush requires Rush Authorization Number)
- [ ] Please Email to: _____
- [ ] Please FAX to: 781-878-7067

BILLING

- [x] Purchase Order No: 2066
- [ ] Third Party Billing: _____
- [ ] GWA Quote: _____

ANALYSIS REQUEST

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
8/3/16	8:50	MW-8S	GW	G	3			
8/3/16	10:55	MW-8I	GW	G	3			
8/3/16	9:13	GZ-1	GW	G	3			
8/3/16	11:55	GZ-2	GW	G	3			
8/3/16	11Am	MW-4	GW	G	3			
8/3/16	Noon	MW-6	GW	G	3			

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- [ ] YES [ ] NO MCP Data Certification required.
- [ ] YES [ ] NO MCP Drinking Water Sample included.
  (Require collection of companion duplicate sample. Trip blank(s) also required, if VOA sample collected).

Signature: _____

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[x] MCP GW-1/S-1	[ ] PWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] MWRA
[x] MA	[ ] NY STARS	[ ] _____
[ ] NH	[ ] Drinking Water	
[ ] NY	[ ] Wastewater	
[ ] 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 pre-arranged. Project specific QC samples are charged on a per sample basis. Each MS and MSD and Sample Duplicate requires an additional sample aliquot.

Project Specific QC Required: [ ] Matrix Spike [ ] Matrix Spike Duplicate

Selection of QC Sample: Please use sample _____

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse hereof.

Relinquished by Sampler:	Date: 8/3/16	Time: 1330	Received by:	Date: 8/4/16	Time:	Receipt Temperature: 4.7 °C
Relinquished by:	Date: 8/4/16	Time: 1800	Received by:			Container Count: 14
Relinquished by:	Date:	Time:	Received by Laboratory:			Shipping/Airbill Number:

Method of Shipment: [x] GWA Courier [ ] Express Mail [ ] Federal Express [x] 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:	VM4-3623-WL	Analyzed:	08-15-06 09:49	Analyzed:	08-15-06 10:18
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	10	105 %	10	11	105 %	0 %	70 - 130 %	25%
74-87-3	Chloromethane	10	11	105 %	10	10	103 %	3 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.9	99 %	10	9.3	93 %	6 %	70 - 130 %	25%
74-83-9	Bromomethane	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	105 %	10	10	101 %	3 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9.4	94 %	10	9.2	92 %	2 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	18	89 %	20	17	86 %	3 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	21	104 %	20	21	104 %	0 %	70 - 130 %	25%
67-64-1	Acetone	20	23	114 %	20	24	118 %	3 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	19	95 %	20	19	93 %	3 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	11	114 %	10	12	119 %	4 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	10	105 %	10	10	103 %	1 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	11	105 %	10	10	103 %	2 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	10	102 %	10	9.7	97 %	5 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	10	104 %	10	10	100 %	4 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	19	94 %	20	18	88 %	6 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	9.7	97 %	10	10	103 %	6 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	21	103 %	20	21	103 %	0 %	70 - 130 %	25%
67-66-3	Chloroform	10	11	105 %	10	10	102 %	3 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	10	101 %	10	9.9	99 %	3 %	70 - 130 %	25%
71-43-2	Benzene	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.7	97 %	10	10	102 %	5 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	10	101 %	10	10	103 %	2 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	10	104 %	10	10	102 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	106 %	10	10	103 %	4 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	260	132 % q	200	250	125 %	5 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	10	105 %	10	10	104 %	0 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	19	97 %	20	20	102 %	5 %	70 - 130 %	25%
108-88-3	Toluene	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	10	100 %	10	10	100 %	0 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	11	107 %	10	11	108 %	1 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	11	105 %	10	10	104 %	2 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	104 %	10	10	102 %	2 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	18	91 %	20	19	97 %	6 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	106 %	10	9.8	98 %	8 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	10	100 %	10	10	102 %	1 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	103 %	10	10	102 %	2 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	108 %	10	11	107 %	1 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	11	107 %	10	11	105 %	2 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	106 %	20	20	102 %	4 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	11	106 %	10	10	103 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	11	108 %	10	11	107 %	1 %	70 - 130 %	25%
75-25-2	Bromoform	10	11	108 %	10	11	109 %	0 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	10	101 %	10	10	102 %	0 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3623-WL	Analyzed:	08-15-06 09:49	Analyzed:	08-15-06 10:18
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

		LCS			LCSD				QC Limits	
		Spiked	Result	Recovery	Spiked	Result	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	11	106 %	10	11	106 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.9	99 %	10	11	105 %	6 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	11	112 %	10	12	120 %	7 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	11	105 %	10	10	105 %	0 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	10	104 %	10	10	102 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	11	106 %	10	11	105 %	1 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	11	107 %	10	11	105 %	2 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	10	103 %	10	10	103 %	1 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.8	98 %	10	10	101 %	3 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	10	102 %	10	10	101 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	10	103 %	10	11	111 %	8 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	11	105 %	10	10	104 %	1 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	10	103 %	10	10	102 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	10	102 %	10	11	106 %	3 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	10	101 %	10	11	105 %	4 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	160	81 %	200	170	87 %	6 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.6	96 %	10	9.6	96 %	0 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.4	94 %	10	9.7	97 %	3 %	70 - 130 %	25%

	Spiked	Result	Recovery	Spiked	Result	Recovery	RPD	QC Limits
Dibromofluoromethane	10	9.5	95 %	10	9.1	91 %		70 - 130 %
1,2-Dichloroethane-d_4	10	9.6	96 %	10	9.4	94 %		70 - 130 %
Toluene-d_8	10	9.9	99 %	10	9.9	99 %		70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	10	9.3	93 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method B ank

Category: EPA Method 8260B
QC Batch ID: VM4-3623-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 08-15-06 10:47
Analyst: KMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3623-WB**	Analyzed:	**08-15-06 10:47**
Matrix:	**Aqueous**	Analyst:	**KMC**

		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

		Spiked	Recovery	Flag	QC Limits
Dibromofluoromethane	10	9.5	**95** %		70 - 130 %
1,2-Dichloroethane-d_4	10	9.8	**98** %		70 - 130 %
Toluene-d_8	10	10	**103** %		70 - 130 %
4-Bromofluorobenzene	10	9.4	**94** %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3624-WL	Analyzed:	08-16-06 09:33	Analyzed:	08-16-06 10:02
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	9.9	99 %	10	11	107 %	8 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.5	95 %	10	9.9	99 %	4 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9	90 %	10	9.7	97 %	7 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.4	94 %	10	10	102 %	8 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.2	92 %	10	10	100 %	8 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	8.8	88 %	10	9.3	93 %	6 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	20	99 %	20	20	102 %	3 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.3	83 %	10	9	90 %	9 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	21	106 %	20	23	116 %	9 %	70 - 130 %	25%
67-64-1	Acetone	20	23	113 %	20	22	109 %	3 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	18	90 %	20	19	97 %	7 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	11	109 %	10	11	112 %	2 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	8.8	88 %	10	9.3	93 %	5 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	12	118 %	10	12	121 %	3 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.8	98 %	10	10	101 %	3 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.7	97 %	10	10	102 %	5 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.9	99 %	10	10	103 %	4 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	22	110 %	20	23	115 %	5 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	10	105 %	10	11	111 %	6 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	26	129 %	20	28	139 % q	7 %	70 - 130 %	25%
67-66-3	Chloroform	10	10	103 %	10	11	106 %	3 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.7	97 %	10	10	102 %	5 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.5	95 %	10	10	100 %	6 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.4	94 %	10	9.8	98 %	5 %	70 - 130 %	25%
71-43-2	Benzene	10	9.6	96 %	10	10	101 %	4 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	106 %	10	11	113 %	6 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.7	97 %	10	10	100 %	3 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	10	102 %	10	11	106 %	4 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	11	110 %	10	12	117 %	6 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	108 %	10	11	110 %	1 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	340	168 % q	200	350	177 % q	5 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	11	108 %	10	11	111 %	3 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	24	120 %	20	25	126 %	5 %	70 - 130 %	25%
108-88-3	Toluene	10	9.8	98 %	10	10	102 %	4 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	11	111 %	10	11	112 %	1 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	12	119 %	10	12	121 %	2 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	103 %	10	11	110 %	7 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	11	112 %	10	12	116 %	4 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	24	119 %	20	25	123 %	3 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	114 %	10	11	113 %	1 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	114 %	10	12	116 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	103 %	10	11	107 %	4 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	110 %	10	11	114 %	3 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	103 %	10	11	107 %	4 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	104 %	20	21	106 %	2 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	104 %	10	11	106 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	11	109 %	10	11	110 %	1 %	70 - 130 %	25%
75-25-2	Bromoform	10	13	127 %	10	12	124 %	3 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.6	96 %	10	10	103 %	7 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3624-WL	Analyzed:	08-16-06 09:33	Analyzed:	08-16-06 10:02
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

	Analyte	LCS			LCS Duplicate					
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	QC Limits	RPD
108-86-1	Bromobenzene	10	11	108 %	10	11	108 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	12	125 %	10	12	121 %	3 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	14	135 % q	10	14	140 % q	4 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	100 %	10	10	105 %	4 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	101 %	10	11	106 %	5 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	103 %	10	11	108 %	4 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.9	99 %	10	10	104 %	5 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	10	102 %	10	11	106 %	4 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	105 %	10	11	108 %	3 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	10	100 %	10	10	104 %	5 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	10	100 %	10	10	104 %	3 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	101 %	10	11	107 %	6 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	102 %	10	10	105 %	3 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	11	105 %	10	11	107 %	2 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	10	100 %	10	10	103 %	4 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	13	127 %	10	13	130 %	2 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	11	109 %	10	11	114 %	4 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.9	99 %	10	10	102 %	2 %	70 - 130 %	25%
91-20-3	Naphthalene	10	12	123 %	10	13	126 %	3 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	114 %	10	12	118 %	3 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	240	121 %	200	250	126 %	5 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	10	102 %	10	11	106 %	4 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	10	105 %	10	11	109 %	3 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	11	110 %	10	11	113 %	2 %	70 - 130 %	25%

Surrogate	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.3	93 %	10	9.1	91 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	101 %	10	9.6	96 %	70 - 130 %
Toluene-d_8	10	10	100 %	10	9.8	98 %	70 - 130 %
4-Bromofluorobenzene	10	9.4	94 %	10	9.3	93 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: EPA Method 8260B
QC Batch ID: VM4-3624-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 08-16-06 10:31
Analyst: KMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3624-WB**	Analyzed:	**08-16-06 10:31**
Matrix:	**Aqueous**	Analyst:	**KMC**

		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

		Found	Recovery	QC Limits
Dibromofluoromethane	10	9.8	**98 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**103 %**	70 - 130 %
Toluene-d_8	10	10	**103 %**	70 - 130 %
4-Bromofluorobenzene	10	9.5	**95 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3625-WL	Analyzed:	08-17-06 09:11	Analyzed:	08-17-06 09:40
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	13	125 %	10	13	130 %	3 %	70 - 130 %	25%
74-87-3	Chloromethane	10	11	110 %	10	11	109 %	1 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	10	100 %	10	10	103 %	3 %	70 - 130 %	25%
74-83-9	Bromomethane	10	10	102 %	10	10	101 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	101 %	10	10	103 %	1 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9.2	92 %	10	9.5	95 %	3 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	21	107 %	20	22	108 %	1 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	9.6	96 %	10	11	106 %	10 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	22	111 %	20	23	114 %	3 %	70 - 130 %	25%
67-64-1	Acetone	20	20	98 %	20	20	99 %	1 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	20	101 %	20	21	104 %	3 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	12	116 %	10	11	115 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.6	96 %	10	10	101 %	5 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	12	121 %	10	13	126 %	4 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	11	105 %	10	11	107 %	2 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	11	106 %	10	10	102 %	3 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	22	111 %	20	21	106 %	5 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	111 %	10	11	109 %	2 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	28	139 % q	20	28	142 % q	2 %	70 - 130 %	25%
67-66-3	Chloroform	10	11	106 %	10	11	107 %	1 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	100 %	10	10	103 %	3 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.7	97 %	10	10	100 %	3 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%
71-43-2	Benzene	10	10	102 %	10	10	104 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	109 %	10	11	112 %	3 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	10	104 %	10	10	102 %	2 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	10	103 %	10	11	109 %	5 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	11	110 %	10	12	119 %	8 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	106 %	10	11	108 %	2 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	240	122 %	200	280	142 % q	15 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	11	112 %	10	11	110 %	2 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	25	127 %	20	24	122 %	4 %	70 - 130 %	25%
108-88-3	Toluene	10	10	100 %	10	10	103 %	2 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	11	109 %	10	11	109 %	0 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	12	115 %	10	12	120 %	4 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	100 %	10	10	105 %	5 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	12	116 %	10	12	116 %	0 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	25	125 %	20	25	124 %	1 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	111 %	10	12	116 %	4 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	12	116 %	10	12	117 %	1 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	104 %	10	10	103 %	2 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	106 %	10	11	111 %	4 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	104 %	10	11	106 %	2 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	103 %	20	21	106 %	3 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	11	106 %	10	10	105 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	11	107 %	10	11	111 %	4 %	70 - 130 %	25%
75-25-2	Bromoform	10	12	124 %	10	12	123 %	1 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.7	97 %	10	9.9	99 %	2 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3625-WL	Analyzed:	08-17-06 09:11	Analyzed:	08-17-06 09:40
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

		LCS			LCSD Duplicate				QC Limits	
		Spiked	Result	Recovery	Spiked	Result	Recovery	RPD	Recovery	RPD
108-86-1	Bromobenzene	10	11	109 %	10	11	105 %	4 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	12	123 %	10	12	116 %	6 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	14	139 % q	10	14	137 % q	1 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	100 %	10	10	101 %	1 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	103 %	10	10	104 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	10	101 %	10	9.9	99 %	2 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	10	102 %	10	10	102 %	0 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	104 %	10	10	104 %	1 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	10	100 %	10	9.9	99 %	1 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	10	101 %	10	10	103 %	2 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	100 %	10	10	102 %	2 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	101 %	10	10	102 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	10	103 %	10	10	103 %	0 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.9	99 %	10	10	101 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	13	132 % q	10	13	128 %	2 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	11	107 %	10	11	109 %	1 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.7	97 %	10	9.5	95 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	12	121 %	10	12	120 %	1 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	112 %	10	11	111 %	1 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	260	129 %	200	230	117 %	9 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	10	100 %	10	10	101 %	1 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	11	106 %	10	11	106 %	1 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	11	107 %	10	11	109 %	2 %	70 - 130 %	25%

	Spiked	Result	Recovery	Spiked	Result	Recovery	RPD	QC Limits
Dibromofluoromethane	10	9.4	94 %	10	9.2	92 %		70 - 130 %
1,2-Dichloroethane-d_4	10	10	100 %	10	9.6	96 %		70 - 130 %
Toluene-d_8	10	9.7	97 %	10	9.9	99 %		70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	10	9.2	92 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3625-WB	Analyzed:	08-17-06 10:09
Matrix:	Aqueous	Analyst:	KMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3625-WB**	Analyzed:	**08-17-06 10:09**
Matrix:	**Aqueous**	Analyst:	**KMC**

		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

		Spiked	Recovery	QC Limits
Dibromofluoromethane	10	9.3	93 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.8	88 %	70 - 130 %
Toluene-d_8	10	9.8	98 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2219-WL	Analyzed:	08-15-06 11:33	Analyzed:	08-15-06 12:03
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate			QC Limits		
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	7.7	77 %	10	7.5	75 %	3 %	70 - 130 %	25%
74-87-3	Chloromethane	10	8.6	86 %	10	8.4	84 %	2 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	8.3	83 %	10	8.2	82 %	1 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.4	84 %	10	8.3	83 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.1	91 %	10	9	90 %	1 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	8	80 %	10	7.7	77 %	4 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	18	92 %	20	18	91 %	1 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.5	85 %	10	8.5	85 %	0 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	20	99 %	20	19	97 %	3 %	70 - 130 %	25%
67-64-1	Acetone	20	19	97 %	20	18	92 %	5 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	18	90 %	20	18	88 %	2 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	15	147 % q	10	18	175 % q	17 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9	90 %	10	9.1	91 %	1 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	10	104 %	10	10	102 %	2 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.4	94 %	10	9.4	94 %	0 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.3	93 %	10	9.1	91 %	2 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.5	95 %	10	9.5	95 %	0 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	103 %	20	19	96 %	7 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	10	101 %	10	9.8	98 %	2 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	21	105 %	20	20	100 %	5 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.7	97 %	10	9.5	95 %	1 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.5	95 %	10	9.3	93 %	1 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.2	92 %	10	9	90 %	2 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.2	92 %	10	8.9	89 %	3 %	70 - 130 %	25%
71-43-2	Benzene	10	9.3	93 %	10	9.2	92 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	105 %	10	10	104 %	2 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.4	94 %	10	9.2	92 %	2 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.9	99 %	10	9.7	97 %	1 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	10	102 %	10	10	100 %	2 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	280	138 % q	200	270	135 % q	2 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	10	103 %	10	10	100 %	3 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	21	105 %	20	20	102 %	3 %	70 - 130 %	25%
108-88-3	Toluene	10	9.4	94 %	10	9.3	93 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.9	99 %	10	9.7	97 %	3 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	101 %	10	9.9	99 %	2 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9.1	91 %	10	9	90 %	1 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	21	105 %	20	20	102 %	4 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	10	103 %	10	10	101 %	2 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.5	95 %	10	9.3	93 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	10	103 %	10	10	102 %	1 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.6	96 %	10	9.5	95 %	2 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	19	97 %	20	19	95 %	2 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.8	98 %	10	9.6	96 %	1 %	70 - 130 %	25%
100-42-5	Styrene	10	10	102 %	10	9.9	99 %	3 %	70 - 130 %	25%
75-25-2	Bromoform	10	11	109 %	10	11	106 %	3 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.4	94 %	10	9.2	92 %	2 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2219-WL	Analyzed:	08-15-06 11:33	Analyzed:	08-15-06 12:03
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

		LCS			LCS Duplicate				QC Limits	
	Analyte	Spike Amount	Result	Recovery	Spike Amount	Result	Recovery	RPD	Recovery	RPD
108-86-1	Bromobenzene	10	9.8	98 %	10	9.6	96 %	2 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	11	110 %	10	11	108 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.6	96 %	10	9.5	95 %	0 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.7	97 %	10	9.5	95 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.8	98 %	10	9.7	97 %	2 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	9.7	97 %	10	9.6	96 %	2 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.7	97 %	10	9.6	96 %	1 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.9	99 %	10	9.7	97 %	2 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	11	109 %	10	11	107 %	1 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
91-20-3	Naphthalene	10	11	111 %	10	11	109 %	2 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	106 %	10	10	104 %	2 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	180	91 %	200	180	88 %	3 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.2	92 %	10	9.1	91 %	1 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.3	93 %	10	9.2	92 %	1 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	8.7	87 %	10	8.5	85 %	1 %	70 - 130 %	25%

	Surrogate	Spike Amount	Result	Recovery	Spike Amount	Result	Recovery		QC Limits
	Dibromofluoromethane	10	12	118 %	10	12	119 %		70 - 130 %
	1,2-Dichloroethane-d_4	10	12	124 %	10	12	124 %		70 - 130 %
	Toluene-d_8	10	12	120 %	10	12	120 %		70 - 130 %
	4-Bromofluorobenzene	10	12	117 %	10	12	117 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-7 Agilent 6890**
QC Batch ID:	**VM7-2219-WB**	Analyzed:	**08-15-06 12:32**
Matrix:	**Aqueous**	Analyst:	**LMG**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-7 Agilent 6890**
QC Batch ID:	**VM7-2219-WB**	Analyzed:	**08-15-06 12:32**
Matrix:	**Aqueous**	Analyst:	**LMG**

		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

			Recovery	QC Limits
Dibromofluoromethane	10	12	**118 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**114 %**	70 - 130 %
Toluene-d_8	10	12	**119 %**	70 - 130 %
4-Bromofluorobenzene	10	12	**117 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

GROUNDWATER ANALYTICAL

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Buzzards Bay, MA 02532

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FAX (508) 759-4475
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August 23, 2006

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical/04-E-005**
Lab ID: **97683**
Received: **08-09-06**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/ajh
Enclosures

GROUNDWATER ANALYTICAL

Sample Rece pt Report

Project: **General Chemical/04-E-005**
Client: **WEB Engineering**
Lab ID: **97683**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt **08-09-06**

Temperature: **5.3'C**
Cha n of Custody: **Present**
Custody Seal(s): **n/a**

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97683-2	WMW-5		Aqueous	8/7/06 8:50	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711090	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711078	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97683-3	GZ-2		Aqueous	8/7/06 9:40	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711091	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711079	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

GROUNDWATER ANALYTICAL

Data Certification

Project:	**General Chemical/04-E-005**	Lab ID:	**97683**
Client:	**WEB Engineering**	Received:	**08-09-06 18:30**

Project Location:	**n/a**					MA DEP RTN:	**n/a**		
This Form provides certifications for the following data set:									
EPA 8260B:	97683-02,-03								
Sample Matrices:	Groundwater	(X)	Soil/Sediment	( )	Drinking Water	( )	Other	( )	
	8260B	(X)	8151A	( )	8330	( )	6010B	( )	7470A/1A ( )
	8270C	( )	8081A	( )	VPH	( )	6020	( )	9012A[2] ( )
	8082	( )	8021B	( )	EPH	( )	7000 S[3]	( )	Other ( )

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status.

A.	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes
B.	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data* ?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

A response to questions E and F below is required for "Presumptive Certainty" status.

E.	Were all QC performance standards and recommendations for the specified methods achieved?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project Narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:		Position:	Operations Manager
Printed Name:	Eric H. Jensen	Date:	08-23-06

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-5	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97683-02	QC Batch ID:	VM4-3631-W
Sampled:	08-07-06 08:50	Instrument ID:	MS-4 HP 6890
Received:	08-09-06 18:30	Sample Volume:	25 mL
Analyzed:	08-21-06 22:38	Dilution Factor:	1000
Analyst:	EMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	1,700		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	5,600		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	500		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	40,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	23,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	BRL		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	BRL		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-5**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97683-02**	QC Batch ID:	**VM4-3631-W**
Sampled:	**08-07-06 08:50**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-09-06 18:30**	Sample Volume:	**25 mL**
Analyzed:	**08-21-06 22:38**	Dilution Factor:	**1000**
Analyst:	**EMC**		

		Concentration		Reporting Limit
100-42-5	Styrene	BRL	ug/L	500
75-25-2	Bromoform	BRL	ug/L	500
98-82-8	Isopropylbenzene	BRL	ug/L	500
108-86-1	Bromobenzene	BRL	ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL	ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL	ug/L	500
103-65-1	*n*-Propylbenzene	BRL	ug/L	500
95-49-8	2-Chlorotoluene	BRL	ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL	ug/L	500
106-43-4	4-Chlorotoluene	BRL	ug/L	500
98-06-6	*tert*-Butylbenzene	BRL	ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL	ug/L	500
135-98-8	*sec*-Butylbenzene	BRL	ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL	ug/L	500
99-87-6	4-Isopropyltoluene	BRL	ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL	ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL	ug/L	500
104-51-8	*n*-Butylbenzene	BRL	ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL	ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL	ug/L	500
87-68-3	Hexachlorobutadiene	BRL	ug/L	500
91-20-3	Naphthalene	BRL	ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL	ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL	ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL	ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL	ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL	ug/L	500

			Recovery	QC Limits
Dibromofluoromethane	10	9.4	**94** %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**104** %	70 - 130 %
Toluene-d_8	10	10	**102** %	70 - 130 %
4-Bromofluorobenzene	10	9.1	**91** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97683-03	QC Batch ID:	VM4-3628-W
Sampled:	08-07-06 09:40	Instrument ID:	MS-4 HP 6890
Received:	08-09-06 18:30	Sample Volume:	25 mL
Analyzed:	08-19-06 13:47	Dilution Factor:	1
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**GZ-2**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97683-03**	QC Batch ID:	**VM4-3628-W**
Sampled:	**08-07-06 09:40**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-09-06 18:30**	Sample Volume:	**25 mL**
Analyzed:	**08-19-06 13:47**	Dilution Factor:	**1**
Analyst:	**CCT**		

		Concentration	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

		Spiked	Recovery	QC Limits
Dibromofluoromethane	10	9.8	**98** %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**101** %	70 - 130 %
Toluene-d_8	10	10	**101** %	70 - 130 %
4-Bromofluorobenzene	10	9.5	**95** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Nar ative

Project:	**General Chemical/04-E-005**	Lab ID:	**97683**
Client:	**WEB Engineering**	Received:	**08-09-06 18:30**

A. Documentation and Client Communication

The following documentation discrepancies, and clien: changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendm ents were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analyt cal method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicat ed below:

1. EPA 8260B Non-conformance: Samples 97683-02. Laboratory control sample (LCS) analyte 1,4 Dioxane was above recommended recovery limits for QC batch VM I-3631-W.
2. EPA 8260B Note: Sample 97683-02. Sample was dilut ed prior to analysis. Dilution was required to keep all target analytes within calibration.

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans,* US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste,* US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3628-WL	Analyzed:	08-19-06 08:48	Analyzed:	08-19-06 09:18
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

		LCS			LCS Duplicate				Limits	
		Spiked	Result	Recovery	Spiked	Result	Recovery	RPD	Limits	RPD
75-71-8	Dichlorodifluoromethane	10	9.9	99 %	10	10	103 %	3 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.4	94 %	10	9.4	94 %	0 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.3	93 %	10	9	90 %	3 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.5	95 %	10	9.5	95 %	0 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.2	92 %	10	9.5	95 %	3 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	8.2	82 %	10	8.8	88 %	7 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	21	103 %	20	21	103 %	0 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.9	89 %	10	9.3	93 %	4 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	19	93 %	20	20	99 %	6 %	70 - 130 %	25%
67-64-1	Acetone	20	24	119 %	20	23	115 %	3 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	18	90 %	20	18	92 %	1 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	12	119 %	10	12	117 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9	90 %	10	9.1	91 %	1 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	12	118 %	10	12	116 %	1 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.4	94 %	10	9.8	98 %	4 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.3	93 %	10	9.8	98 %	5 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.8	98 %	10	10	102 %	4 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	23	115 %	20	20	102 %	11 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	112 %	10	11	109 %	3 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	25	123 %	20	23	117 %	5 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.7	97 %	10	10	101 %	4 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.4	94 %	10	9.5	95 %	1 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	8.8	88 %	10	9.5	95 %	8 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	8.9	89 %	10	9.5	95 %	7 %	70 - 130 %	25%
71-43-2	Benzene	10	9.4	94 %	10	9.7	97 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	106 %	10	10	104 %	3 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.4	94 %	10	9.4	94 %	1 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.9	99 %	10	10	101 %	2 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	11	110 %	10	11	111 %	1 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	105 %	10	11	105 %	0 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	210	104 %	200	220	109 %	4 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	11	105 %	10	11	108 %	2 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	25	124 %	20	25	125 %	1 %	70 - 130 %	25%
108-88-3	Toluene	10	9.3	93 %	10	9.5	95 %	3 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	11	106 %	10	10	103 %	3 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	12	117 %	10	11	115 %	2 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9.5	95 %	10	9.6	96 %	1 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	11	110 %	10	11	108 %	1 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	24	122 %	20	24	120 %	2 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	111 %	10	11	107 %	4 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	115 %	10	11	114 %	1 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.5	95 %	10	9.7	97 %	1 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.4	94 %	10	9.7	97 %	3 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	19	95 %	20	20	98 %	3 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.7	97 %	10	9.9	99 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	10	102 %	10	10	100 %	2 %	70 - 130 %	25%
75-25-2	Bromoform	10	12	122 %	10	12	120 %	2 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	8.9	89 %	10	9.2	92 %	3 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3628-WL	Analyzed:	08-19-06 08:48	Analyzed:	08-19-06 09:18
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	10	102 %	10	10	103 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	12	118 %	10	12	117 %	1 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	12	122 %	10	12	124 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	9.2	92 %	10	9.3	93 %	1 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.4	94 %	10	9.5	95 %	1 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9.4	94 %	10	9.7	97 %	3 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.3	93 %	10	9.7	97 %	4 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9.2	92 %	10	9.4	94 %	2 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.6	96 %	10	9.8	98 %	2 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	9.1	91 %	10	9.3	93 %	3 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.4	94 %	10	9.6	96 %	2 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	9.1	91 %	10	9.4	94 %	3 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.6	96 %	10	9.7	97 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.8	98 %	10	9.8	98 %	1 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.2	92 %	10	9.3	93 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	12	125 %	10	12	118 %	6 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	10	104 %	10	10	102 %	2 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	8.9	89 %	10	8.7	87 %	2 %	70 - 130 %	25%
91-20-3	Naphthalene	10	12	117 %	10	12	115 %	1 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	106 %	10	10	104 %	2 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	240	121 %	200	230	113 %	7 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.8	98 %	10	9.8	98 %	0 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	10	101 %	10	10	102 %	1 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	11	107 %	10	11	109 %	1 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.9	99 %	10	9.6	96 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	105 %	10	10	102 %	70 - 130 %
Toluene-d_8	10	11	106 %	10	9.9	99 %	70 - 130 %
4-Bromofluorobenzene	10	9.6	96 %	10	9.1	91 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3628-WB**	Analyzed:	**08-19-06 10:16**
Matrix:	**Aqueous**	Analyst:	**CCT**

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3628-WB**	Analyzed:	**08-19-06 10:16**
Matrix:	**Aqueous**	Analyst:	**CCT**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	95 %	70 - 130 %
Toluene-d_8	10	10	101 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste. US EPA, SW-846. Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3631-WL	Analyzed:	08-21-06 20:48	Analyzed:	08-21-06 21:17
Matrix:	Aqueous	Analyst:	EMC	Analyst:	EMC
Units:	ug/L				

75-71-8	Dichlorodifluoromethane	10	9.9	99 %	10	8.9	89 %	10 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.3	93 %	10	8.5	85 %	8 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	8.9	89 %	10	8.1	81 %	9 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.7	87 %	10	8.1	81 %	7 %	70 - 130 %	25%
75-00-3	Chloroethane	10	8.9	89 %	10	8.2	82 %	8 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	8.6	86 %	10	7.8	78 %	9 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	19	93 %	20	18	90 %	4 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.5	85 %	10	8	80 %	6 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	18	90 %	20	16	81 %	11 %	70 - 130 %	25%
67-64-1	Acetone	20	18	91 %	20	20	99 %	9 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	17	83 %	20	15	75 %	10 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.8	98 %	10	10	103 %	5 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	8.9	89 %	10	7.9	79 %	11 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	11	107 %	10	11	110 %	3 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	8.9	89 %	10	8.6	86 %	4 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	8.5	85 %	10	7.7	77 %	10 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.5	95 %	10	8.9	89 %	7 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	24	119 %	20	20	98 %	19 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	10	103 %	10	9.4	94 %	9 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	24	118 %	20	25	126 %	7 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.4	94 %	10	8.8	88 %	7 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	8.9	89 %	10	8.1	81 %	9 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	8.4	84 %	10	7.8	78 %	8 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	8.6	86 %	10	7.8	78 %	10 %	70 - 130 %	25%
71-43-2	Benzene	10	9	90 %	10	8.3	83 %	8 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	10	102 %	10	9.7	97 %	6 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9	90 %	10	8.1	81 %	9 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.4	94 %	10	9.2	92 %	2 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	11	107 %	10	10	104 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.6	96 %	10	9.3	93 %	3 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	280	142 % q	200	230	115 %	21 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.9	99 %	10	9.4	94 %	5 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	23	113 %	20	23	115 %	2 %	70 - 130 %	25%
108-88-3	Toluene	10	8.9	89 %	10	8.4	84 %	5 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	11	105 %	10	10	103 %	2 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9	90 %	10	8.1	81 %	10 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	11	108 %	10	10	100 %	8 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	23	113 %	20	21	107 %	5 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	10	102 %	10	9.7	97 %	5 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	107 %	10	11	107 %	0 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.4	94 %	10	8.6	86 %	8 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	9.7	97 %	10	9.2	92 %	6 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.1	91 %	10	8.4	84 %	8 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	19	93 %	20	17	84 %	9 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.6	96 %	10	8.6	86 %	10 %	70 - 130 %	25%
100-42-5	Styrene	10	9.9	99 %	10	9.1	91 %	8 %	70 - 130 %	25%
75-25-2	Bromoform	10	11	112 %	10	11	110 %	2 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	8.7	87 %	10	8	80 %	8 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3631-WL	Analyzed:	08-21-06 20:48	Analyzed:	08-21-06 21:17
Matrix:	Aqueous	Analyst:	EMC	Analyst:	EMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	9.7	97 %	10	8.9	89 %	9 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	11	110 %	10	11	109 %	2 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	13	129 %	10	12	124 %	4 %	70 - 130 %	25%
103-65-1	n-Propylbenzene	10	8.8	88 %	10	8.1	81 %	8 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	8.8	88 %	10	8.4	84 %	4 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9.1	91 %	10	8.5	85 %	7 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	8.8	88 %	10	8.4	84 %	5 %	70 - 130 %	25%
98-06-6	tert-Butylbenzene	10	8.7	87 %	10	8.1	81 %	8 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.2	92 %	10	8.5	85 %	8 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	8.8	88 %	10	7.9	79 %	11 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.2	92 %	10	8.6	86 %	7 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	8.8	88 %	10	8.1	81 %	8 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.1	91 %	10	8.9	89 %	3 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.6	96 %	10	8.9	89 %	8 %	70 - 130 %	25%
104-51-8	n-Butylbenzene	10	8.7	87 %	10	7.9	79 %	9 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	11	112 %	10	12	117 %	4 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	9.6	96 %	10	9.4	94 %	3 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	8.5	85 %	10	7.6	76 %	11 %	70 - 130 %	25%
91-20-3	Naphthalene	10	11	111 %	10	11	109 %	2 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	10	104 %	10	9.9	99 %	5 %	70 - 130 %	25%
75-65-0	tert-Butyl Alcohol (TBA)	200	220	108 %	200	220	108 %	1 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	8.8	88 %	10	8.4	84 %	5 %	70 - 130 %	25%
637-92-3	Ethyl tert-butyl Ether (ETBE)	10	9.6	96 %	10	9.1	91 %	5 %	70 - 130 %	25%
994-05-8	tert-Amyl Methyl Ether (TAME)	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.5	95 %	10	10	101 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.8	98 %	10	10	104 %	70 - 130 %
Toluene-d_8	10	10	102 %	10	10	101 %	70 - 130 %
4-Bromofluorobenzene	10	9.2	92 %	10	9.3	93 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3631-WB**	Analyzed:	**08-21-06 21:53**
Matrix:	**Aqueous**	Analyst:	**EMC**

		Concentration	Note	Units	Quantitation Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3631-WB**	Analyzed:	**08-21-06 21:53**
Matrix:	**Aqueous**	Analyst:	**EMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene		BRL	ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane		BRL	ug/L	0.5
96-18-4	1,2,3-Trichloropropane		BRL	ug/L	0.5
103-65-1	*n*-Propylbenzene		BRL	ug/L	0.5
95-49-8	2-Chlorotoluene		BRL	ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene		BRL	ug/L	0.5
106-43-4	4-Chlorotoluene		BRL	ug/L	0.5
98-06-6	*tert*-Butylbenzene		BRL	ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene		BRL	ug/L	0.5
135-98-8	*sec*-Butylbenzene		BRL	ug/L	0.5
541-73-1	1,3-Dichlorobenzene		BRL	ug/L	0.5
99-87-6	4-Isopropyltoluene		BRL	ug/L	0.5
106-46-7	1,4-Dichlorobenzene		BRL	ug/L	0.5
95-50-1	1,2-Dichlorobenzene		BRL	ug/L	0.5
104-51-8	*n*-Butylbenzene		BRL	ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane		BRL	ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene		BRL	ug/L	0.5
87-68-3	Hexachlorobutadiene		BRL	ug/L	0.5
91-20-3	Naphthalene		BRL	ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene		BRL	ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)		BRL	ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)		BRL	ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)		BRL	ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)		BRL	ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	103 %	70 - 130 %
Toluene-d_8	10	10	100 %	70 - 130 %
4-Bromofluorobenzene	10	9.1	91 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

[redacted], Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

[redacted], Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

[redacted], Human Services, [redacted]03

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

[redacted], Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

[redacted], Department of Environmental Services, 2027[redacted]

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

[redacted], Department of Health, 11750

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

[redacted], Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

[redacted], Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

GROUNDWATER ANALYTICAL

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August 18, 2006

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical/04-E-005**
Lab ID: **97548**
Received: **08-04-06**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/jll
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: **General Chemical/04-E-005**
Client: **WEB Engineering**
Lab ID: **97548**

Delivery **GWA Courier**
Airbill **n/a**
Lab Receip : **08-04-06**

Temperature: **4.7'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

Lab ID	Field ID		Matrix	Sampled	Method			Notes
97548-1	SW-10		Aqueous	8/1/06 13:10	EPA 8260E	Volatile Organics with Oxygenates		
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711098	40 mL VOA Vial	Proline	BX19311	HC	R-4601F	12-30-05	12-30-05	
C711083	40 mL VOA Vial	Proline	BX19311	HC	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
97548-2	SW-3		Aqueous	8/1/06 13:30	EPA 8260E	Volatile Organics with Oxygenates		
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711089	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711077	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
97548-3	DSC-1		Aqueous	8/1/06 14:00	EPA 8260E	Volatile Organics with Oxygenates		
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711115	40 mL VOA Vial	Proline	BX19311	HC	R-4601F	12-30-05	12-30-05	
C711114	40 mL VOA Vial	Proline	BX19311	HC	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
97548-4	USA-1		Aqueous	8/1/06 14:45	EPA 8260E	Volatile Organics with Oxygenates		
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711107	40 mL VOA Vial	Proline	BX19311	HC	R-4601F	12-30-05	12-30-05	
C711095	40 mL VOA Vial	Proline	BX19311	HC	R-4601F	12-30-05	12-30-05	

GROUNDWATER ANALYTICAL

Data Certification

Project:	**General Chemical/04-E-005**	Lab ID:	**97548**
Client:	**WEB Engineering**	Received:	**08-04-06 18:00**

Compendium of Analytical Methods

Project Location:	n/a	MA DEP RTN:	n/a

This Form provides certifications for the following data set:

EPA 8260B: 97548-01,-02,-03,-04

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status.

A.	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes
B.	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data* ?	No
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

A response to questions E and F below is required for "Presumptive Certainty" status.

E.	Were all QC performance standards and recommendations for the specified methods achieved?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project Narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:	8/21	Position:	Operations Manager
Printed Name:	Eric H. Jensen	Date:	08-18-06

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**SW-10**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97548-01**	QC Batch ID:	**VM5-3419-W**
Sampled:	**08-01-06 13:10**	Instrument ID:	**MS-5 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-14-06 18:12**	Dilution Factor:	**20**
Analyst:	**KMC**		

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	**120**		ug/L	10
74-83-9	Bromomethane	BRL		ug/L	10
75-00-3	Chloroethane	**55**		ug/L	10
75-69-4	Trichlorofluoromethane	BRL		ug/L	10
60-29-7	Diethyl Ether	BRL		ug/L	40
75-35-4	1,1-Dichloroethene	BRL		ug/L	10
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	100
67-64-1	Acetone	BRL		ug/L	200
75-15-0	Carbon Disulfide	BRL		ug/L	100
75-09-2	Methylene Chloride	BRL		ug/L	50
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	10
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	10
75-34-3	1,1-Dichloroethane	**250**		ug/L	10
594-20-7	2,2-Dichloropropane	BRL		ug/L	10
156-59-2	*cis*-1,2-Dichloroethene	**250**		ug/L	10
78-93-3	2-Butanone (MEK)	BRL		ug/L	100
74-97-5	Bromochloromethane	BRL		ug/L	10
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	100
67-66-3	Chloroform	BRL		ug/L	10
71-55-6	1,1,1-Trichloroethane	**74**		ug/L	10
56-23-5	Carbon Tetrachloride	BRL		ug/L	10
563-58-6	1,1-Dichloropropene	BRL		ug/L	10
71-43-2	Benzene	BRL		ug/L	10
107-06-2	1,2-Dichloroethane	BRL		ug/L	10
79-01-6	Trichloroethene	BRL		ug/L	10
78-87-5	1,2-Dichloropropane	BRL		ug/L	10
74-95-3	Dibromomethane	BRL		ug/L	10
75-27-4	Bromodichloromethane	BRL		ug/L	10
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	10
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	100
108-88-3	Toluene	BRL		ug/L	10
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	10
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	10
127-18-4	Tetrachloroethene	BRL		ug/L	10
142-28-9	1,3-Dichloropropane	BRL		ug/L	10
591-78-6	2-Hexanone	BRL		ug/L	100
124-48-1	Dibromochloromethane	BRL		ug/L	10
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	10
108-90-7	Chlorobenzene	BRL		ug/L	10
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	10
100-41-4	Ethylbenzene	BRL		ug/L	10
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	10
95-47-6	*ortho*-Xylene	BRL		ug/L	10

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**SW-10**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97548-01**	QC Batch ID:	**VMS-3419-W**
Sampled:	**08-01-06 13:10**	Instrument ID:	**MS-5 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-14-06 18:12**	Dilution Factor:	**20**
Analyst:	**KMC**		

		Concentration	Note	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

		Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.9	**99** %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**101** %	70 - 130 %
Toluene-d_8	10	10	**102** %	70 - 130 %
4-Bromofluorobenzene	10	9.8	**98** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	SW-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97548-02	QC Batch ID:	VMS-3419-W
Sampled:	08-01-06 13:30	Instrument ID:	MS-5 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-14-06 18:52	Dilution Factor:	20
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	10
74-87-3	Chloromethane	BRL		ug/L	10
75-01-4	Vinyl Chloride	89		ug/L	10
74-83-9	Bromomethane	BRL		ug/L	10
75-00-3	Chloroethane	19		ug/L	10
75-69-4	Trichlorofluoromethane	BRL		ug/L	10
60-29-7	Diethyl Ether	BRL		ug/L	40
75-35-4	1,1-Dichloroethene	38		ug/L	10
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	100
67-64-1	Acetone	BRL		ug/L	200
75-15-0	Carbon Disulfide	BRL		ug/L	100
75-09-2	Methylene Chloride	BRL		ug/L	50
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	10
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	10
75-34-3	1,1-Dichloroethane	170		ug/L	10
594-20-7	2,2-Dichloropropane	BRL		ug/L	10
156-59-2	*cis*-1,2-Dichloroethene	950		ug/L	10
78-93-3	2-Butanone (MEK)	BRL		ug/L	100
74-97-5	Bromochloromethane	BRL		ug/L	10
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	100
67-66-3	Chloroform	BRL		ug/L	10
71-55-6	1,1,1-Trichloroethane	200		ug/L	10
56-23-5	Carbon Tetrachloride	BRL		ug/L	10
563-58-6	1,1-Dichloropropene	BRL		ug/L	10
71-43-2	Benzene	BRL		ug/L	10
107-06-2	1,2-Dichloroethane	BRL		ug/L	10
79-01-6	Trichloroethene	43		ug/L	10
78-87-5	1,2-Dichloropropane	BRL		ug/L	10
74-95-3	Dibromomethane	BRL		ug/L	10
75-27-4	Bromodichloromethane	BRL		ug/L	10
123-91-1	1,4-Dioxane	BRL		ug/L	10000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	10
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	100
108-88-3	Toluene	BRL		ug/L	10
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	10
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	10
127-18-4	Tetrachloroethene	10		ug/L	10
142-28-9	1,3-Dichloropropane	BRL		ug/L	10
591-78-6	2-Hexanone	BRL		ug/L	100
124-48-1	Dibromochloromethane	BRL		ug/L	10
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	10
108-90-7	Chlorobenzene	BRL		ug/L	10
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	10
100-41-4	Ethylbenzene	BRL		ug/L	10
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	10
95-47-6	*ortho*-Xylene	BRL		ug/L	10

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**SW-3**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97548-02**	QC Batch ID:	**VM5-3419-W**
Sampled:	**08-01-06 13:30**	Instrument ID:	**MS-5 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-14-06 18:52**	Dilution Factor:	**20**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	10
75-25-2	Bromoform	BRL		ug/L	10
98-82-8	Isopropylbenzene	BRL		ug/L	10
108-86-1	Bromobenzene	BRL		ug/L	10
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	10
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	10
103-65-1	*n*-Propylbenzene	BRL		ug/L	10
95-49-8	2-Chlorotoluene	BRL		ug/L	10
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	10
106-43-4	4-Chlorotoluene	BRL		ug/L	10
98-06-6	*tert*-Butylbenzene	BRL		ug/L	10
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	10
135-98-8	*sec*-Butylbenzene	BRL		ug/L	10
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	10
99-87-6	4-Isopropyltoluene	BRL		ug/L	10
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	10
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	10
104-51-8	*n*-Butylbenzene	BRL		ug/L	10
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	10
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	10
87-68-3	Hexachlorobutadiene	BRL		ug/L	10
91-20-3	Naphthalene	BRL		ug/L	10
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	10
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	400
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	10
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	10
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	10

		Found	Recovery	QC Limits
Dibromofluoromethane	10	9.6	**96 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	**95 %**	70 - 130 %
Toluene-d_8	10	10	**100 %**	70 - 130 %
4-Bromofluorobenzene	10	10	**101 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Methoc 8260B
Volatile Organics by GC/MS

Field ID:	DSC-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97548-03	QC Batch ID:	VM5-3419-W
Sampled:	08-01-06 14:00	Instrument ID:	MS-5 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-14-06 19:33	Dilution Factor:	1
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	2		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	1		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	2		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	DSC-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97548-03	QC Batch ID:	VM5-3419-W
Sampled:	08-01-06 14:00	Instrument ID:	MS-5 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-14-06 19:33	Dilution Factor:	1
Analyst:	KMC		

		Concentration		Limits	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

		Found	Recovery	QC Limits
Dibromofluoromethane	10	9.8	98 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	10	103 %	70 - 130 %
4-Bromofluorobenzene	10	10	100 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	USA-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97548-04	QC Batch ID:	VM5-3419-W
Sampled:	08-01-06 14:45	Instrument ID:	MS-5 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-14-06 20:14	Dilution Factor:	1
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**USA-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97548-04**	QC Batch ID:	**VM5-3419-W**
Sampled:	**08-01-06 14:45**	Instrument ID:	**MS-5 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-14-06 20:14**	Dilution Factor:	**1**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

			Recovery	Limits
Dibromofluoromethane	10	9.9	**99 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	**97 %**	70 - 130 %
Toluene-d_8	10	10	**102 %**	70 - 130 %
4-Bromofluorobenzene	10	9.9	**99 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	**General Chemical/04-E-005**	Lab ID:	**97548**
Client:	**WEB Engineering**	Received:	**08-04-06 18:00**

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Non-conformance: Sample 97548-01. Sample was received with a pH of 6. Recommended preservation is pH < 2. Sample was analyzed as received.
2. EPA 8260B Note: Samples 97548-01 and -02. Samples were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.
3. EPA 8260B Non-conformance: Samples 97548-01 through -04. Laboratory control sample (LCS) analyte Methylene Chloride was above recommended recovery limit for QC batch VM5-3419-W.

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-5 HP 6890	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VM5-3419-WL	Analyzed:	08-14-06 09:25	Analyzed:	08-14-06 10:06
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

			Result	Recovery	Spiked	Result	Recovery	RPD	Limits	RPD
75-71-8	Dichlorodifluoromethane	10	9.6	96 %	10	10	103 %	7 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.7	97 %	10	10	104 %	7 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.2	92 %	10	9.9	99 %	7 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.8	98 %	10	11	105 %	7 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	103 %	10	11	107 %	4 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9.1	91 %	10	9.2	92 %	0 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	18	88 %	20	18	91 %	4 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	101 %	10	11	105 %	4 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	20	101 %	20	20	101 %	0 %	70 - 130 %	25%
67-64-1	Acetone	20	17	83 %	20	19	96 %	15 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	19	93 %	20	18	92 %	1 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	11	106 %	10	15	152 % q	35 % q	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	10	100 %	10	9.5	95 %	5 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9.8	98 %	10	11	105 %	7 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	11	108 %	10	11	107 %	0 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	11	108 %	10	10	104 %	3 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	19	93 %	20	23	114 %	20 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	108 %	10	11	105 %	2 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	22	110 %	20	23	115 %	5 %	70 - 130 %	25%
67-66-3	Chloroform	10	11	106 %	10	10	104 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	105 %	10	10	102 %	3 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	10	104 %	10	10	104 %	1 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	11	108 %	10	11	106 %	2 %	70 - 130 %	25%
71-43-2	Benzene	10	10	105 %	10	10	103 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.9	99 %	10	10	102 %	3 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	11	107 %	10	11	107 %	0 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	10	103 %	10	10	104 %	0 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	9.8	98 %	10	10	105 %	6 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	106 %	10	11	105 %	0 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	160	80 %	200	150	74 %	8 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	10	104 %	10	11	107 %	3 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	20	101 %	20	21	106 %	4 %	70 - 130 %	25%
108-88-3	Toluene	10	10	105 %	10	10	103 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.5	95 %	10	9.5	95 %	0 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	103 %	10	10	100 %	3 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	104 %	10	10	100 %	4 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	9.9	99 %	10	10	103 %	3 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	21	103 %	20	21	106 %	3 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.9	99 %	10	9.9	99 %	0 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	9.7	97 %	10	10	100 %	3 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.9	99 %	10	9.7	97 %	2 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	10	103 %	10	10	102 %	0 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	11	106 %	10	10	102 %	4 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	106 %	20	21	103 %	3 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	104 %	10	10	102 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	11	106 %	10	11	106 %	0 %	70 - 130 %	25%
75-25-2	Bromoform	10	10	102 %	10	10	104 %	3 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	10	103 %	10	9.8	98 %	4 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-5 HP 6890	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VM5-3419-WL	Analyzed:	08-14-06 09:25	Analyzed:	08-14-06 10:06
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	10	104 %	10	10	101 %	3 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.6	96 %	10	9.8	98 %	2 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	11	109 %	10	11	111 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	11	107 %	10	10	103 %	4 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	105 %	10	10	102 %	3 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	11	107 %	10	10	104 %	2 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	10	104 %	10	10	101 %	3 %	70 - 130 %	25%
98-06-6	*tert*- Butylbenzene	10	11	107 %	10	10	103 %	4 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	11	108 %	10	11	106 %	2 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	11	106 %	10	10	102 %	4 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	10	102 %	10	10	100 %	2 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	11	106 %	10	10	104 %	2 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	100 %	10	9.9	99 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	10	101 %	10	9.9	99 %	1 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	11	111 %	10	11	107 %	3 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.2	92 %	10	10	100 %	8 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	11	110 %	10	11	110 %	0 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	10	105 %	10	10	103 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	9.3	93 %	10	9.4	94 %	2 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	109 %	10	11	109 %	0 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	200	98 %	200	210	105 %	7 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.8	98 %	10	9.9	99 %	2 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.5	95 %	10	9.9	99 %	4 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.6	96 %	10	10	100 %	4 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.4	94 %	10	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.1	91 %	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	10	100 %	10	9.7	97 %	70 - 130 %
4-Bromofluorobenzene	10	9.9	99 %	10	9.7	97 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-5 HP 6890**
QC Batch ID:	**VM5-3419-WB**	Analyzed:	**08-14-06 10:46**
Matrix:	**Aqueous**	Analyst:	**KMC**

		Concentration	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-5 HP 6890
QC Batch ID:	VM5-3419-WB	Analyzed:	08-14-06 10:46
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	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.9	99 %	70 - 130 %
Toluene-d_8	10	9.9	99 %	70 - 130 %
4-Bromofluorobenzene	10	9.6	96 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

[redacted], Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

[redacted] Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

[redacted] Services, [redacted]

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

[redacted] Protection, M-MA103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

[redacted] Services, 202708

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

[redacted]

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

[redacted] Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

[redacted], Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

APPENDIX B

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone (508) 759-4441
FAX (508) 759-4475
www.groundwateranalytical.com

December 5, 2005

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical/04-E-005**
Lab ID: **89379**
Received: **11-17-05**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/kal
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: General Chemical/04-E-005
Client: WEB Engineering
Lab ID: 89379

Delivery: GWA Courier
Airbill: n/a
Lab Receipt: 11-17-05

Temperature: 2.0°C
Chain of Custody: Present
Custody Seal(s): n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
89379-1	RW-1	Aqueous	11/16/05 15:05	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684261	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684260	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
89379-2	RW-2	Aqueous	11/16/05 15:10	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684243	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684231	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
89379-3	RW-4	Aqueous	11/16/05 15:15	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684259	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684233	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
89379-4	BIO-1	Aqueous	11/16/05 15:20	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C674652	40 mL VOA Vial	Proline	BX17895	HCl	R-4297E	08-26-05	08-30-05
C684232	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
89379-5	BIO-2	Aqueous	11/16/05 15:25	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C674676	40 mL VOA Vial	Proline	BX17895	HCl	R-4297E	08-26-05	08-30-05
C674664	40 mL VOA Vial	Proline	BX17895	HCl	R-4297E	08-26-05	08-30-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
89379-6	BIO-3	Aqueous	11/16/05 15:30	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684263	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684258	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
89379-7	Carbon-1	Aqueous	11/16/05 15:35	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684262	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684244	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Lab ID	Field ID	Matrix	Sampled	Method	Notes
89379-8	Carbon-2	Aqueous	11/16/05 15:40	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C684264	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684192	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

GROUNDWATER ANALYTICAL

Data Certification

Project: General Chemical/04-E-005
Client: WEB Engineering

Lab ID: 89379
Received: 11-17-05 18:00

MA DEP Compendium of Analytical Methods

Project Location: n/a
MA DEP RTN: n/a

This Form provides certifications for the following data set:

EPA 8260B: 89379-01,-02,-03,-04,-05,-06,-07,-08

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
MCP SW-846 Methods Used	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )
As specified in MA DEP Compendium of Analytical Methods, (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )

1. List Release Tracking Number (RTN), if known.
2. SW-846 Method 9012A (Equivalent to 9014) or MA DEP Physiologically Available Cyanide (PAC) Method
3. S - SW-846 Methods 7000 Series. List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status.

A.	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes
B.	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data*?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

A response to questions E and F below is required for "Presumptive Certainty" status.

E.	Were all QC performance standards and recommendations for the specified methods achieved?	Yes
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project Narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:
Position: Operations Manager

Printed Name: Eric H. Jensen
Date: 12-05-05

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-01	QC Batch ID:	VM4-3356-W
Sampled:	11-16-05 15:05	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-22-05 21:38	Dilution Factor:	100
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	50
74-87-3	Chloromethane	BRL		ug/L	50
75-01-4	Vinyl Chloride	BRL		ug/L	50
74-83-9	Bromomethane	BRL		ug/L	50
75-00-3	Chloroethane	BRL		ug/L	50
75-69-4	Trichlorofluoromethane	BRL		ug/L	50
60-29-7	Diethyl Ether	BRL		ug/L	200
75-35-4	1,1-Dichloroethene	60		ug/L	50
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	500
67-64-1	Acetone	BRL		ug/L	1000
75-15-0	Carbon Disulfide	BRL		ug/L	500
75-09-2	Methylene Chloride	BRL		ug/L	250
56-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	50
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	50
75-34-3	1,1-Dichloroethane	BRL		ug/L	50
594-20-7	2,2-Dichloropropane	BRL		ug/L	50
156-59-2	*cis*-1,2-Dichloroethene	490		ug/L	50
78-93-3	2-Butanone (MEK)	BRL		ug/L	500
74-97-5	Bromochloromethane	BRL		ug/L	50
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	500
67-66-3	Chloroform	BRL		ug/L	50
71-55-6	1,1,1-Trichloroethane	290		ug/L	50
56-23-5	Carbon Tetrachloride	BRL		ug/L	50
563-58-6	1,1-Dichloropropene	BRL		ug/L	50
71-43-2	Benzene	BRL		ug/L	50
107-06-2	1,2-Dichloroethane	BRL		ug/L	50
79-01-6	Trichloroethene	3 500		ug/L	50
78-87-5	1,2-Dichloropropane	BRL		ug/L	50
74-95-3	Dibromomethane	BRL		ug/L	50
75-27-4	Bromodichloromethane	BRL		ug/L	50
123-91-1	1,4-Dioxane	BRL		ug/L	5000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	50
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	500
108-88-3	Toluene	BRL		ug/L	50
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	50
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	50
127-18-4	Tetrachloroethene	820		ug/L	50
142-28-9	1,3-Dichloropropane	BRL		ug/L	50
591-78-6	2-Hexanone	BRL		ug/L	500
124-48-1	Dibromochloromethane	BRL		ug/L	50
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	50
108-90-7	Chlorobenzene	BRL		ug/L	50
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	50
100-41-4	Ethylbenzene	BRL		ug/L	50

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	RW-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-01	QC Batch ID:	VM4-3356-W
Sampled:	11-16-05 15:05	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-22-05 21:38	Dilution Factor:	100
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	50
75-25-2	Bromoform	BRL		ug/L	50
98-82-8	Isopropylbenzene	BRL		ug/L	50
108-86-1	Bromobenzene	BRL		ug/L	50
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	50
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	50
103-65-1	*n*-Propylbenzene	BRL		ug/L	50
95-49-8	2-Chlorotoluene	BRL		ug/L	50
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	50
106-43-4	4-Chlorotoluene	BRL		ug/L	50
98-06-6	*tert*-Butylbenzene	BRL		ug/L	50
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	50
135-98-8	*sec*-Butylbenzene	BRL		ug/L	50
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	50
99-87-6	4-Isopropyltoluene	BRL		ug/L	50
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	50
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	50
104-51-8	*n*-Butylbenzene	BRL		ug/L	50
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	50
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	50
87-68-3	Hexachlorobutadiene	BRL		ug/L	50
91-20-3	Naphthalene	BRL		ug/L	50
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	50
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	2000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	50
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	50
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	50

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.6	86 %	70 - 130 %
Toluene-d_8	10	9.1	91 %	70 - 130 %
4-Bromofluorobenzene	10	9.4	94 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996)
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-02	QC Batch ID:	VM4-3356-W
Sampled:	11-16-05 15:10	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-22-05 23:05	Dilution Factor:	500
Analyst:	CCT		

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	820		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	2100		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	1,100		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	310		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	13,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	9,600		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	4,700		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	13,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
08-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
00-41-4	Ethylbenzene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	RW-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-02	QC Batch ID:	VM4-3356-W
Sampled:	11-16-05 15:10	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-22-05 23:05	Dilution Factor:	500
Analyst:	CCT		

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	8.6	86 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.6	86 %	70 - 130 %
Toluene-d_8	10	8.9	89 %	70 - 130 %
4-Bromofluorobenzene	10	9.0	90 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-4	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-03	QC Batch ID:	VM4-3356-W
Sampled:	11-16-05 15:15	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-22-05 23:34	Dilution Factor:	500
Analyst:	CCT		

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	290		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	BRL		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	BRL		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	13,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	3,400		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	20,000		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	1,400		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

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	RW-4	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-03	QC Batch ID:	VM4-3356-W
Sampled:	11-16-05 15:15	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-22-05 23:34	Dilution Factor:	500
Analyst:	CCT		

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	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.5	85 %	70 - 130 %
Toluene-d_8	10	8.9	89 %	70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	BIO-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-04	QC Batch ID:	VM4-3356-W
Sampled:	11-16-05 15:20	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-23-05 00:03	Dilution Factor:	200
Analyst:	CCT		

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	370		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	1,500		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	2,000		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	150		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	8,300		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	4,000		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	8,800		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2 Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	6,500		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	BIO-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-04	QC Batch ID:	VM4-3356-W
Sampled:	11-16-05 15:20	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-23-05 00:03	Dilution Factor:	200
Analyst:	CCT		

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	8.7	87 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.1	91 %	70 - 130 %
Toluene-d_8	10	8.8	88 %	70 - 130 %
4-Bromofluorobenzene	10	8.9	89 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	BIO-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-05	QC Batch ID:	VM4-3356-W
Sampled:	11-16-05 15:25	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-23-05 00:32	Dilution Factor:	200
Analyst:	CCT		

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	100		ug/L	100
74-83-9	Bromomethane	BRL		ug/L	100
75-00-3	Chloroethane	BRL		ug/L	100
75-69-4	Trichlorofluoromethane	BRL		ug/L	100
60-29-7	Diethyl Ether	BRL		ug/L	400
75-35-4	1,1-Dichloroethene	390		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	1,400		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	2,100		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	150		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	9,000		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	4,400		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	9,500		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	7,000		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
00-41-4	Ethylbenzene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	BIO-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-05	QC Batch ID:	VM4-3356-W
Sampled:	11-16-05 15:25	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-23-05 00:32	Dilution Factor:	200
Analyst:	CCT		

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	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.1	91 %	70 - 130 %
Toluene-d_8	10	9.1	91 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID	BIO-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-06	QC Batch ID:	VM4-3356-W
Sampled:	11-16-05 15:30	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-23-05 01:01	Dilution Factor:	200
Analyst:	CCT		

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	320		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	2,000		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	160		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	8,500		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	4,000		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	8,700		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	6,500		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	BIO-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-06	QC Batch ID:	VM4-3356-W
Sampled:	11-16-05 15:30	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-23-05 01:01	Dilution Factor:	200
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	100
75-25-2	Bromoform	BRL		ug/L	100
98-82-8	Isopropylbenzene	BRL		ug/L	100
108-86-1	Bromobenzene	BRL		ug/L	100
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	100
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	100
103-65-1	*n*-Propylbenzene	BRL		ug/L	100
95-49-8	2-Chlorotoluene	BRL		ug/L	100
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	100
106-43-4	4-Chlorotoluene	BRL		ug/L	100
98-06-6	*tert*-Butylbenzene	BRL		ug/L	100
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	100
135-98-8	*sec*-Butylbenzene	BRL		ug/L	100
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	100
99-87-6	4-Isopropyltoluene	BRL		ug/L	100
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	100
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	100
104-51-8	*n*-Butylbenzene	BRL		ug/L	100
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	100
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	100
87-68-3	Hexachlorobutadiene	BRL		ug/L	100
91-20-3	Naphthalene	BRL		ug/L	100
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	100
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	4000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	100
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	100
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	100

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.8	88 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.8	88 %	70 - 130 %
Toluene-d_8	10	9.1	91 %	70 - 130 %
4-Bromofluorobenzene	10	9.6	96 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	Carbon-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-07	QC Batch ID:	VM4-3356-W
Sampled:	11-16-05 15:35	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-23-05 01:30	Dilution Factor:	200
Analyst:	CCT		

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	270		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	2,200		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl tert-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	130		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	7,200		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	5,200		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	6,700		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	5,000		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	Carbon-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-07	QC Batch ID:	VM4-3356-W
Sampled:	11-16-05 15:35	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-23-05 01:30	Dilution Factor:	200
Analyst:	CCT		

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	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.7	87 %	70 - 130 %
Toluene-d_8	10	9.0	90 %	70 - 130 %
4-Bromofluorobenzene	10	8.9	89 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	Carbon-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HC /Cool
Laboratory ID:	89379-08	QC Batch ID:	VM4-3357-W
Sampled:	11-16-05 15:40	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-23-05 08:59	Dilution Factor:	100
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	50
74-87-3	Chloromethane	BRL		ug/L	50
75-01-4	Vinyl Chloride	73		ug/L	50
74-83-9	Bromomethane	BRL		ug/L	50
75-00-3	Chloroethane	BRL		ug/L	50
75-69-4	Trichlorofluoromethane	BRL		ug/L	50
60-29-7	Diethyl Ether	BRL		ug/L	200
75-35-4	1,1-Dichloroethene	61		ug/L	50
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	500
67-64-1	Acetone	BRL		ug/L	1000
75-15-0	Carbon Disulfide	BRL		ug/L	500
75-09-2	Methylene Chloride	2,400		ug/L	250
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	50
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	50
75-34-3	1,1-Dichloroethane	53		ug/L	50
594-20-7	2,2-Dichloropropane	BRL		ug/L	50
156-59-2	*cis*-1,2-Dichloroethene	1,500		ug/L	50
78-93-3	2-Butanone (MEK)	BRL		ug/L	500
74-97-5	Bromochloromethane	BRL		ug/L	50
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	500
67-66-3	Chloroform	BRL		ug/L	50
71-55-6	1,1,1-Trichloroethane	750		ug/L	50
56-23-5	Carbon Tetrachloride	BRL		ug/L	50
563-58-6	1,1-Dichloropropene	BRL		ug/L	50
71-43-2	Benzene	BRL		ug/L	50
107-06-2	1,2-Dichloroethane	BRL		ug/L	50
79-01-6	Trichloroethene	830		ug/L	50
78-87-5	1,2-Dichloropropane	BRL		ug/L	50
74-95-3	Dibromomethane	BRL		ug/L	50
75-27-4	Bromodichloromethane	BRL		ug/L	50
123-91-1	1,4-Dioxane	BRL		ug/L	5000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	50
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	500
108-88-3	Toluene	BRL		ug/L	50
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	50
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	50
127-18-4	Tetrachloroethene	520		ug/L	50
142-28-9	1,3-Dichloropropane	BRL		ug/L	50
591-78-6	2-Hexanone	BRL		ug/L	500
124-48-1	Dibromochloromethane	BRL		ug/L	50
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	50
108-90-7	Chlorobenzene	BRL		ug/L	50
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	50
100-41-4	Ethylbenzene	BRL		ug/L	50

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	Carbon-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-08	QC Batch ID:	VM4-3357-W
Sampled:	11-16-05 15:40	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-23-05 08:59	Dilution Factor:	100
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	50
75-25-2	Bromoform	BRL		ug/L	50
98-82-8	Isopropylbenzene	BRL		ug/L	50
108-86-1	Bromobenzene	BRL		ug/L	50
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	50
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	50
103-65-1	*n*-Propylbenzene	BRL		ug/L	50
95-49-8	2-Chlorotoluene	BRL		ug/L	50
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	50
106-43-4	4-Chlorotoluene	BRL		ug/L	50
98-06-6	*tert*-Butylbenzene	BRL		ug/L	50
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	50
135-98-8	*sec*-Butylbenzene	BRL		ug/L	50
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	50
99-87-6	4-Isopropyltoluene	BRL		ug/L	50
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	50
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	50
104-51-8	*n*-Butylbenzene	BRL		ug/L	50
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	50
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	50
87-68-3	Hexachlorobutadiene	BRL		ug/L	50
91-20-3	Naphthalene	BRL		ug/L	50
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	50
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	2000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	50
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	50
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	50

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.9	89 %	70 - 130 %
Toluene-d_8	10	8.9	89 %	70 - 130 %
4-Bromofluorobenzene	10	9.9	99 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	General Chemical/04-E-005	Lab ID:	89379
Client:	WEB Engineering	Received:	11-17-05 18:00

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Note: Samples 89379-01 through -08. Sample were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

GROUNDWATER ANALYTICAL

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CHAIN-OF-CUSTODY RECORD AND WORK ORDER

199880

Project Name: GENERAL [illegible]MICAL	Firm: WEB ENGINEERING
Project Number: 04-E-00[illegible]	Address: 104 LONGWATER DR.
Sampler Name: M. J. HUD[illegible]	City / State / Zip: NORWELL, MA 02061
Project Manager: M. J. HUD[illegible]	Telephone: 781-844-8329

INSTRUCTIONS: [illegible]parate line for each container (except replicates).

TURNAROUND

- [X] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN- _____)
  (Rush requires Rush Authorization Number)
  - [ ] Please Email to: _____
  - [ ] Please FAX to: _____

BILLING

- [X] Purchase Order No.: 04-E-005
- [ ] Third Party Billing: _____
- [ ] GWA Quote: _____

ANALYSIS REQUEST

OPTIONS: 1: TIC Search
SOWA: 1: 524.2/MTBE
NPDES: 1: 624
RCRA/TE: 1: 8260 TCL+MTBE; X: 8260B

Volatiles: 1: 8021B Aromatics; 1: 8021B Halocarbons; 1: 8260B
Semivolatiles: 1: 8270C PAHs only
Pest/Herb/PCBs Extractable: 1: 8081A Pesticides; 1: 8082 PCBs
Pest/Herb/PCBs Vol.: 1: 8011 EDB/DBCP
Metals: 1: 6010B RCRA; 1: 6020 Metals; 2: 7470 Hg
Petroleum Hydrocarbon Ext. TPH: 1: EPH-MA; 1: Diesel Range Organics (DRO) 1: ME DRO; 1: EPH 1 EPH
Petroleum Hydrocarbon Vol. TPH: 1: Hydrocarbon Fingerprint (GC/MS) by ASTM D3328-05 (Mod.); 1: EPH by GC-FID (8015B Mod.) Gasoline Only; 1: Gasoline Range Organics (GRO) 1: ME GRO
Haz. Waste: 1: TCLP; 1: Reactivity; 1: Ignitability; 1: Corrosivity (pH)
General Chemistry: 1: Nitrate; 1: Nitrite; 1: Chloride; 1: Fluoride; 1: Sulfate; 1: Alkalinity; 1: Phosphorus; 1: Total P for RCRA; 1: Hardness; 1: TKN; 1: Total Phosphorus; 1: Oil & Grease; 1: TPH; 1: TOC; 1: TSS; 1: Cyanide, Total; 1: Cyanide, Physiologically Available; 1: pH; 1: Dissolved Sulfide; 1: Total Coliform; 1: HPC
Other: Specify:

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)	Analysis Requested
			GROUNDWATER; DRINKING WATER; WASTEWATER; SOIL; OTHER SOLID; OIL/CHEMICAL LIQUID	COMPOSITE; GRAB	NUMBER; 40mL VOA Vial; 60mL/2 oz Glass; 125mL/4 oz Amber Glass; 250mL/8 oz Glass; 500mL/16 oz Glass; 1L/32 oz Amber Glass; 250mL/8 oz Plastic; 500mL/16 oz Plastic; 1L/32 oz Plastic; 120mL Screw	HCl; HNO3; H2SO4; NaOH; Methanol; Sodium Bisulfate; Ice	YES; NO		
11/16/05	3:05	[illegible]-1	X	X	3; 2 X	X	X X	X	X
"	3:10	[illegible]-2	X	X	3; 2 X	X	X X	X	X
"	3:15	[illegible]-4	X	X	3; 2 X	X	X X	X	X
"	3:20	[illegible]-1	X	X	3; 2 X	X	X X	X	X
"	3:25	[illegible]-2	X	X	3; 2 X	X	X X	X	X
"	3:30	[illegible]-3	X	X	3; 2 X	X	X X	X	X
"	3:35	[illegible]WIN-1	X	X	3; 2 X	X	X X	X	X
V	3:40	[illegible]WIN-2	X	X	3; 2 X	X	X X	X	X

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP [illegible] Enhancement Affirmation

X YES [illegible] ification required.

[illegible] YES X [illegible] Water Sample included.

(Requires collection [illegible] duplicate sample.
Trip blanks are also [illegible] VOA sample collected).

Signature: [illegible] Hudson

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[X] MCP GW-1/S-1	[ ] PWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] MWRA
[X] MA	[ ] NY STARS	[ ] _____
[ ] NH	[ ] Drinking Water	
[ ] NY	[ ] Wastewater	
[ ] RI	[ ] Waste Disposal	
[ ] VT	[ ] Dredge Material	
[ ] _____	[ ] _____	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. Each MS, MSD and Sample Duplicate requires an additional sample aliquot.

Project Specific QC Required	Selection of QC Sample
[ ] Sample Duplicate	[ ] Please use sample: _____
[ ] Matrix Spike	
[ ] Matrix Spike Duplicate	

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse hereof.

	Date	Time		
Relinquished by Sampler: M. Hudson	11-17-05	9:45	Received by: [illegible]	Receipt Temperature: [illegible] Refrigerated [illegible] Recommended 2
Relinquished by: [illegible]	11/17/05	1PM	Received by:	Container Count: 16
Relinquished by:			Received by Laboratory:	Shipping/Airbill 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

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3356-WL	Analyzed:	11-22-05 19:28	Analyzed:	11-22-05 19:56
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	9.2	92 %	10	9.7	97 %	6 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9	90 %	10	10	102 %	12 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	8.6	86 %	10	10	100 %	15 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.2	92 %	10	10	102 %	11 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.6	96 %	10	11	109 %	13 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	7.1	71 %	10	9.1	91 %	24 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	20	98 %	20	20	100 %	1 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.9	89 %	10	10	103 %	15 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	19	93 %	20	22	108 %	14 %	70 - 130 %	25%
67-64-1	Acetone	20	24	118 %	20	21	106 %	11 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	17	85 %	20	19	96 %	12 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.5	95 %	10	9.7	97 %	3 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	8.6	86 %	10	9.4	94 %	9 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9.9	99 %	10	10	105 %	5 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	8.9	89 %	10	9.8	98 %	9 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9	90 %	10	10	101 %	11 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.1	91 %	10	10	101 %	10 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	19	93 %	20	19	97 %	4 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	9.9	99 %	10	10	105 %	6 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	20	98 %	20	19	95 %	4 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.2	92 %	10	9.9	99 %	8 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	8.7	87 %	10	9.8	98 %	11 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	8.5	85 %	10	9.6	96 %	12 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.1	91 %	10	10	103 %	12 %	70 - 130 %	25%
71-43-2	Benzene	10	9.3	93 %	10	10	101 %	9 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.1	91 %	10	9.4	94 %	4 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9	90 %	10	10	101 %	11 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.5	95 %	10	10	103 %	8 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	10	104 %	10	11	107 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.6	96 %	10	10	102 %	7 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	180	91 %	200	170	85 %	7 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	10	102 %	10	11	108 %	5 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	18	92 %	20	20	99 %	6 %	70 - 130 %	25%
108-88-3	Toluene	10	9.7	97 %	10	10	104 %	6 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.8	98 %	10	10	102 %	5 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.5	95 %	10	10	102 %	7 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9.1	91 %	10	11	106 %	15 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	9.8	98 %	10	11	108 %	10 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	20	99 %	20	21	106 %	8 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.6	96 %	10	10	100 %	4 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	10	102 %	10	11	108 %	6 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.3	93 %	10	10	102 %	9 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	9.7	97 %	10	11	107 %	10 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.7	97 %	10	11	108 %	11 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	19	97 %	20	21	106 %	9 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.8	98 %	10	11	107 %	9 %	70 - 130 %	25%
100-42-5	Styrene	10	9.4	94 %	10	10	105 %	11 %	70 - 130 %	25%
[illegible]	[illegible]	[illegible]								

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID	MS-4 HP 6890
QC Batch ID:	VM4-3356-WL	Analyzed:	11-22-05 19:28	Analyzed	11-22-05 19:55
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	9.9	99 %	10	10	104 %	5 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	10	102 %	10	11	108 %	5 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	10	105 %	10	11	114 %	8 %	70 - 130 %	25%
103-65-1	n-Propylbenzene	10	10	101 %	10	11	110 %	8 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.8	98 %	10	10	105 %	6 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	103 %	10	11	110 %	7 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.7	97 %	10	9.9	99 %	1 %	70 - 130 %	25%
98-06-6	tert-Butylbenzene	10	10	101 %	10	11	112 %	10 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	102 %	10	11	111 %	8 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	9.9	99 %	10	11	108 %	9 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.3	93 %	10	9.9	99 %	7 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	100 %	10	11	108 %	8 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	100 %	10	11	107 %	7 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.9	99 %	10	11	106 %	7 %	70 - 130 %	25%
104-51-8	n-Butylbenzene	10	9.8	98 %	10	11	107 %	9 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	10	100 %	10	11	108 %	8 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	8.3	83 %	10	9.1	91 %	9 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.5	95 %	10	11	109 %	14 %	70 - 130 %	25%
91-20-3	Naphthalene	10	8.1	81 %	10	8.7	87 %	8 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	8.5	85 %	10	9	90 %	6 %	70 - 130 %	25%
75-65-0	tert-Butyl Alcohol (TBA)	200	200	100 %	200	200	101 %	0 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.4	94 %	10	10	100 %	6 %	70 - 130 %	25%
637-92-3	Ethyl tert-butyl Ether (ETBE)	10	9.7	97 %	10	10	103 %	6 %	70 - 130 %	25%
994-05-8	tert-Amyl Methyl Ether (TAME)	10	9.3	93 %	10	9.7	97 %	4 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.3	83 %	10	8.8	88 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.9	99 %	10	8.6	86 %	70 - 130 %
Toluene-d_8	10	9.9	99 %	10	9.4	94 %	70 - 130 %
4-Bromofluorobenzene	10	9.6	96 %	10	9.1	91 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3356-WB	Analyzed:	11-22-05 21:08
Matrix:	Aqueous	Analyst:	CCT

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Cont·ol Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3356-WB	Analyzed:	11-22-05 21:08
Matrix:	Aqueous	Analyst:	CCT

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.1	91 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.6	86 %	70 - 130 %
Toluene-d_8	10	9.0	90 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone (508) 759-4441
FAX (508) 759-4475
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December 22, 2005

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical/04-E-005**
Lab ID: **89961**
Received: **12-08-05**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/kal
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project:	General Chemical/04-E-005	Delivery	GWA Courier	Temperature:	3.0°C
Client:	WEB Engineering	Airbill	n/a	Chain of Custody:	Present
Lab ID:	89961	Lab Receip :	12-08-05	Custody Seal(s):	n/a

Lab ID	Field ID		Matrix	Sampled	Method			Notes
89961-1	BIO-1		Aqueous	12/5/05 7:10	EPA 8260E Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C674677	40 mL VOA Vial	Proline	BX17895	HCl	R-4297E	08-26-05	08-30-05	
C674712	40 mL VOA Vial	Proline	BX17895	HCl	R-4297E	08-26-05	08-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
89961-2	BIO-2		Aqueous	12/5/05 7:20	EPA 8260E Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C679621	40 mL VOA Vial	Proline	BX18789	HC	R-4601F	10-12-05	n/a	
C679620	40 mL VOA Vial	Proline	BX18789	HC	R-4601F	10-12-05	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
89961-3	BIO-3		Aqueous	12/5/05 7:30	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C679609	40 mL VOA Vial	Proline	BX18789	HCl	R-4601F	10-12-05	n/a	
C679608	40 mL VOA Vial	Proline	BX18789	HCl	R-4601F	10-12-05	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
89961-4	Carbon-2		Aqueous	12/5/05 7:40	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C679555	40 mL VOA Vial	Proline	BX18789	HCl	R-4601F	10-12-05	n/a	
C679554	40 mL VOA Vial	Proline	BX18789	HCl	R-4601F	10-12-05	n/a	

GROUNDWATER ANALYTICAL

Data Certification

Project: General Chemical/04-E-005
Client: WEB Engineering

Lab ID: 89961
Received: 12-08-05 17:45

MA DEP Compendium of Analytical Methods						
Project Location: n/a				MA DEP RTN: n/a		
This Form provides certifications for the following data set:						
EPA 8260B: 89961-01,-02,-03,-04						
Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )		
MCP SW-846 Methods Used	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )	
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )	
As specified in MA DEP Compendium of Analytical Methods (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )	
	1. List Release Tracking Number (RTN), if known.					
	2. SW-846 Method 9012A (Equivalent to 9014) or MA DEP Physiologically Available Cyanide (PAC) Method					
	3. S - SW-846 Methods 7000 Series. List individual method and analyte.					

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status.

A.	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes
B.	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data* ?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

A response to questions E and F below is required for "Presumptive Certainty" status.

E.	Were all QC performance standards and recommendations for the specified methods achieved?	Yes
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project Narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: [signature] Position: Operations Manager

Printed Name: Eric H. Jensen Date: 12-22-05

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	BIO-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89961-01	QC Batch ID:	VM4-3386-W
Sampled:	12-05-05 07:10	Instrument ID:	MS-4 HP 6890
Received:	12-08-05 17:45	Sample Volume:	25 mL
Analyzed:	12-17-05 00:56	Dilution Factor:	500
Analyst:	EMC		

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	430		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	2,800		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	BRL		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	12,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	5,500		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	15,000		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	8,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	BIO-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89961-01	QC Batch ID:	VM4-3386-W
Sampled:	12-05-05 07:10	Instrument ID:	MS-4 HP 6890
Received:	12-08-05 17:45	Sample Volume:	25 mL
Analyzed:	12-17-05 00:56	Dilution Factor:	500
Analyst:	EMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.8	98 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	95 %	70 - 130 %
Toluene-d_8	10	10	104 %	70 - 130 %
4-Bromofluorobenzene	10	11	106 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	BIO-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89961-02	QC Batch ID:	VM4-3386-W
Sampled:	12-05-05 07:20	Instrument ID:	MS-4 HP 6890
Received:	12-08-05 17:45	Sample Volume:	25 mL
Analyzed:	12-17-05 01:25	Dilution Factor:	500
Analyst:	EMC		

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	380		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	2,700		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	BRL		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	2,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	5,000		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	12,000		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	7,300		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	BIO-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89961-02	QC Batch ID:	VM4-3386-W
Sampled:	12-05-05 07:20	Instrument ID:	MS-4 HP 6890
Received:	12-08-05 17:45	Sample Volume:	25 mL
Analyzed:	12-17-05 01:25	Dilution Factor:	500
Analyst:	EMC		

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	9.8	98 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	94 %	70 - 130 %
Toluene-d_8	10	10	104 %	70 - 130 %
4-Bromofluorobenzene	10	10	105 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	BIO-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89961-03	QC Batch ID:	VM4-3386-W
Sampled:	12-05-05 07:30	Instrument ID:	MS-4 HP 6890
Received:	12-08-05 17:45	Sample Volume:	25 mL
Analyzed:	12-17-05 01:54	Dilution Factor:	500
Analyst:	EMC		

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	BRL		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	2,500		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	BRL		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	10,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	3,400		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	9,400		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	4,700		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3 106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	BIO-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89961-03	QC Batch ID:	VM4-3386-W
Sampled:	12-05-05 07:30	Instrument ID:	MS-4 HP 6890
Received:	12-08-05 17:45	Sample Volume:	25 mL
Analyzed:	12-17-05 01:54	Dilution Factor:	500
Analyst:	EMC		

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	9.9	99 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	94 %	70 - 130 %
Toluene-d_8	10	10	104 %	70 - 130 %
4-Bromofluorobenzene	10	11	105 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	Carbon-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89961-04	QC Batch ID:	VM4-3386-W
Sampled:	12-05-05 07:40	Instrument ID:	MS-4 HP 6890
Received:	12-08-05 17:45	Sample Volume:	25 mL
Analyzed:	12-17-05 02:23	Dilution Factor:	200
Analyst:	EMC		

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	200		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	2,700		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	BRL		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	7,800		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	4,200		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	9,000		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	2,500		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	Carbon-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89961-04	QC Batch ID:	VM4-3386-W
Sampled:	12-05-05 07:40	Instrument ID:	MS-4 HP 6890
Received:	12-08-05 17:45	Sample Volume:	25 mL
Analyzed:	12-17-05 02:23	Dilution Factor:	200
Analyst:	EMC		

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	10	102 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	10	105 %	70 - 130 %
4-Bromofluorobenzene	10	11	107 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	General Chemical/04-E-005	Lab ID:	89961
Client:	WEB Engineering	Received:	12-08-05 17:45

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Note: Samples 89961-01,-02,-03. Samples 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

№ 199881

Project Name: GENERAL CHEMICAL	Firm: WEB ENGINEERING
Project Number: 04-[illegible]05	Address: 104 LONGWATER DR.
Sampler Name: M.J. [illegible]EN	City / State / Zip: NORWELL, MA 02061
Project Manager: M.J. [illegible]EN	Telephone: 781-878-8328

INSTRUCTIONS: Use separate line for each container (except replicates).

TURNAROUND
- [X] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (TODAY)
  (Must contact lab with authorization number)
- [ ] Please Email to:
- [ ] Please FAX to:

BILLING
- [X] Purchase Order No.: 04-E-005
- [ ] Third Party Billing:
- [ ] GWA Quote:

ANALYSIS REQUEST

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	LABORATORY NUMBER (Lab Use Only)	ANALYSIS REQUEST
12-5-05	[illegible]	BIO-1	GROUNDWATER: X	SOIL: X	2	NO: X		X
	[illegible]	BIO-2	GROUNDWATER: X	SOIL: X	2	NO: X		X
	[illegible]	BIO-3	GROUNDWATER: X	SOIL: X	2	NO: X		X
↓	[illegible]	CARBON-2	GROUNDWATER: X	SOIL: X	2	NO: X		X

REMARKS / SPECIAL INSTRUCTIONS

MA DEP Data Enhancement Affirmation
- [X] YES - Data Certification required.
- [ ] YES - Drinking Water Sample included.
- [ ] YES - Collected contingent duplicate sample.
- [ ] NO - Trip blank not required, if VOA sample collected.

Signature: M.J. [illegible]

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[X] MCP GW-1/S-1	[ ] PWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] NWPA
[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:
- [ ] 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: M.J. [illegible]	12-5-05		Received by: [illegible]	12/9/05 1335
Relinquished by: [illegible]	12/9/05	1345	Received by: [illegible]	
Relinquished by:			Received for Laboratory: [illegible]	

Receipt Temperature: 3 °C [X] Refrigerated [ ] Not Refrigerated

Container Count: 8

Method of Shipment: [X] GWA Courier [ ] Express Mail [ ] Federal Express [ ] UPS [ ] Hand [ ] _____

Shipping/Airbill Number:

Custody Seal Number:

GROUNDWATER ANALYTICAL

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans,* US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste,* US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3386-WL	Analyzed:	12-16-05 19:06	Analyzed:	12-16-05 19:35
Matrix:	Aqueous	Analyst:	EMC	Analyst:	EMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	11	106 %	10	9.9	99 %	8 %	70 - 130 %	25%
74-87-3	Chloromethane	10	10	104 %	10	9.7	97 %	7 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	11	109 %	10	10	102 %	6 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.6	96 %	10	9.3	93 %	3 %	70 - 130 %	25%
75-00-3	Chloroethane	10	11	108 %	10	9.9	99 %	8 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	12	121 %	10	11	114 %	5 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	20	99 %	20	19	93 %	7 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.8	88 %	10	8.2	82 %	6 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	22	111 %	20	21	103 %	7 %	70 - 130 %	25%
67-64-1	Acetone	20	20	102 %	20	19	95 %	7 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	19	93 %	20	18	90 %	3 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.2	92 %	10	8.7	87 %	6 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	8.9	89 %	10	8	80 %	11 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	10	102 %	10	9.7	97 %	5 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9	90 %	10	8.6	86 %	4 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.5	95 %	10	8.7	87 %	9 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.3	93 %	10	9	90 %	3 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	106 %	20	21	103 %	3 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	9.4	94 %	10	9	90 %	5 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	21	103 %	20	17	83 %	22 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.4	94 %	10	8.9	89 %	5 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.4	94 %	10	8.9	89 %	6 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.4	94 %	10	8.5	85 %	9 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.5	95 %	10	8.7	87 %	8 %	70 - 130 %	25%
71-43-2	Benzene	10	9.2	92 %	10	8.9	89 %	4 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.5	95 %	10	9	90 %	5 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.2	92 %	10	8.6	86 %	7 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	9.6	96 %	10	9.3	93 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	10	104 %	10	9.8	98 %	6 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	150	75 %	200	150	76 %	2 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	11	109 %	10	11	105 %	3 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	19	95 %	20	18	89 %	7 %	70 - 130 %	25%
108-88-3	Toluene	10	10	104 %	10	10	100 %	5 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	10	100 %	10	9.7	97 %	3 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9	90 %	10	8.7	87 %	3 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	9.8	98 %	10	9.7	97 %	0 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	20	99 %	20	19	95 %	4 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.2	92 %	10	9.2	92 %	0 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.3	93 %	10	9.1	91 %	2 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	9.5	95 %	10	9.5	95 %	0 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	102 %	10	10	100 %	2 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	20	101 %	20	20	99 %	3 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.9	99 %	10	9.7	97 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
75-25-2	Bromoform	10	9.9	99 %	10	9.7	97 %	3 %	70 - 130 %	25%
[illegible]	[illegible]									

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3386-WL	Analyzed:	2-16-05 19:06	Analyzed:	12-16-05 19:35
Matrix:	Aqueous	Analyst:	EMC	Analyst:	EMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.2	92 %	10	9.3	93 %	1 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	10	103 %	10	10	101 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9.9	99 %	10	9.8	98 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.6	96 %	10	10	100 %	3 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9.7	97 %	10	9.6	96 %	1 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	8.9	89 %	10	8.7	87 %	2 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.5	95 %	10	9.7	97 %	2 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9	90 %	10	8.7	87 %	4 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	8.4	84 %	10	8.8	88 %	4 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	8.7	87 %	10	8.7	87 %	0 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	9.1	91 %	10	9	90 %	2 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	190	95 %	200	150	76 %	23 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.3	93 %	10	8.8	88 %	6 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.5	95 %	10	9	90 %	6 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	8.6	86 %	10	7.9	79 %	8 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.9	99 %	10	9.5	95 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	94 %	10	9.6	96 %	70 - 130 %
Toluene-d_8	10	11	110 %	10	11	107 %	70 - 130 %
4-Bromofluorobenzene	10	10	100 %	10	10	100 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3386-WB	Analyzed:	12-16-05 20:04
Matrix:	Aqueous	Analyst:	EMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3386-WB	Analyzed:	12-16-05 20:04
Matrix:	Aqueous	Analyst:	EMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	n-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	tert-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	sec-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	n-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	tert-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl tert-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	tert-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	102 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9	90 %	70 - 130 %
Toluene-d_8	10	10	105 %	70 - 130 %
4-Bromofluorobenzene	10	11	105 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, U.S EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website.

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

GROUNDWATER ANALYTICAL

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March 17, 2006

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical Corp**
Lab ID: **92191**
Received: **03-03-06**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/kal
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project:	General Chemical Corp	Delivery:	GWA Courier	Temperature:	2.0°C
Client:	WEB Engineering	Airbill:	n/a	Chain of Custody:	Present
Lab ID:	92191	Lab Receipt:	03-03-06	Custody Seal(s):	n/a

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-1	GZA-15S		Aqueous	2/28/06 0:00	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708797	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708796	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708795	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-2	GZA-15D		Aqueous	2/28/06 0:00	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708794	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708791	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708788	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-3	GZA-15R		Aqueous	2/28/06 0:00	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708790	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708789	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708782	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-4	GZA-14M		Aqueous	2/28/06 12:47	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708786	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708785	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708784	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-5	GZA-14S		Aqueous	2/28/06 13:30	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708783	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708780	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708779	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-6	GZ-5S		Aqueous	2/28/06 14:10	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708778	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708777	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708776	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-7	WMW-2S		Aqueous	3/1/06 9:17	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708774	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708773	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708772	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project:	General Chemical Corp	Delivery:	GWA Courier	Temperature:	2.0°C
Client:	WEB Engineering	Airbill:	n/a	Chain of Custody:	Present
Lab ID:	92191	Lab Receipt:	03-03-06	Custody Seal(s):	n/a

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-15	WMW-4		Aqueous	3/2/06 11:02	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C708740	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708734	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708728	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-16	GZ-2		Aqueous	3/2/06 12:54	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C708741	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708735	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708729	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-17	RW-2		Aqueous	3/2/06 13:39	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C708737	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708736	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708731	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-18	RW-4		Aqueous	3/2/06 13:48	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C679571	40 mL VOA Vial	Proline	BX18789	HCl	R-4601F	10-12-05	n/a	
C708742	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708730	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project:	General Chemical Corp	Delivery:	GWA Courier	Temperature:	2.0°C
Client:	WEB Engineering	Airbill:	n/a	Chain of Custody:	Present
Lab ID:	92191	Lab Receipt:	03-03-06	Custody Seal(s):	n/a

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-8	WMW-2D		Aqueous	3/1/06 10:52	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708771	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708770	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708764	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-9	WMW-7		Aqueous	3/1/06 10:50	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708768	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708767	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708766	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-10	WMW-6		Aqueous	3/1/06 11:49	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708762	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708761	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708760	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-11	WMW-5		Aqueous	3/1/06 13:10	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708759	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708756	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708755	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-12	WMW-3		Aqueous	3/1/06 13:58	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708758	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708753	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708752	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-13	GZ-7		Aqueous	3/2/06 9:30	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708754	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708748	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708747	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-14	GZ-7R		Aqueous	3/2/06 10:05	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708750	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708744	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708738	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

GROUNDWATER ANALYTICAL

Data Certification

Project: General Chemical Corp
Client: WEB Engineering

Lab ID: 92191
Received: 03-03-06 12:40

MA DEP Compendium of Analytical Methods						
Project Location:	n/a			MA DEP RTN:	n/a	
This Form provides certifications for the following data set:						
EPA 8260B:	92191-01,-02,-03,-04,-05,-06,-07,-08,-09,-10,-11,-12,-13,-14,-15,-16,-17,-18					
Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )		
MCP SW-846 Methods Used	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )	
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )	
As specified in MA DEP Compendium of Analytical Methods (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )	
	1. List Release Tracking Number (RTN), if known.					
	2. SW-846 Method 9012A (Equivalent to 9014) or MA DEP Physiologically Available Cyanide (PAC) Method					
	3. S - SW-846 Methods 7000 Series. List individual method and analyte.					

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status.

A.	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes
B.	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data* ?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

A response to questions E and F below is required for "Presumptive Certainty" status.

E.	Were all QC performance standards and recommendations for the specified methods achieved?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project Narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: [signature] Position: Operations Manager

Printed Name: Eric H. Jensen Date: 03-17-06

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-2	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-17	QC Batch ID:	VM4-3466-W
Sampled:	03-02-06 13:39	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-10-06 03:04	Dilution Factor:	500
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	750		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	3,700		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	6,100		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	BRL		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	14,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	8,300		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	6,700		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	10,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-4	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-18	QC Batch ID:	VM4-3466-W
Sampled:	03-02-06 13:48	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-10-06 03:33	Dilution Factor:	1000
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	680		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	BRL		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	14,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	16,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	32,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	34,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	RW-2	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-17	QC Batch ID:	VM4-3466-W
Sampled:	03-02-06 13:39	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-10-06 03:04	Dilution Factor:	500
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/l	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/l	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/l	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	106 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	102 %	70 - 130 %
Toluene-d_8	10	10	105 %	70 - 130 %
4-Bromofluorobenzene	10	9.7	97 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	RW-4	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-18	QC Batch ID:	VM4-3466-W
Sampled:	03-02-06 13:48	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-10-06 03:33	Dilution Factor:	1000
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.4	94 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.8	88 %	70 - 130 %
Toluene-d_8	10	9.8	98 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1995). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	General Chemical Corp	Lab ID:	92191
Client:	WEB Engineering	Received:	03-03-06 12:40

A. Documentation and Clien Communication

The following documentation discrepancies, and client changes or an endments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Non-conformance: Samples 92191-13,-14,- 6. Laboratory control sample (LCS) analyte 1,4-Dioxane was above recommended recovery limits for QC batch VM7-2058-W.
2. EPA 8260B Note: Samples 92191-04,-05,-06,-08,-10,-11,-12,-15,-17 and -18. Sample were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

GROUNDWATER ANALYTICAL

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CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 207044

Project Name: Geneva Chemical Corp
Project Number:
Sampler Name: Bruce Hoosty
Project Manager: Michael Hickey
Firm: WEB Engineering
Address: 104 Longwater Drive
City / State / Zip: Norwell MA 02061
Telephone: 781-878-7766

TURNAROUND
- ☐ STANDARD (10 Business Days)
- ☐ RUSH (only if pre-authorized) (Rush Request Date Authorized: Number:)
- ☐ FISHMAN
- ☐ Please Email to:
- ☐ Please FAX to:

BILLING
- ☐ Purchase Order No.:
- ☐ Third Party Billing:
- ☐ GWA Quote:

ANALYSIS REQUEST

INSTRUCTIONS: Use separate line for each container (except replicates).

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
2-26-06		GZA-15S	GROUNDWATER	COMPOSITE	3			
2-26-06		GZA-15D	GROUNDWATER	COMPOSITE	3			
2-26-06		GZA-15R	GROUNDWATER	COMPOSITE	3			
2-28-06	12:4	GZA-14M	GROUNDWATER	COMPOSITE	3			
2-28-06	1:3	GZA-14S	GROUNDWATER	COMPOSITE	3			
3-1-06	2:10	GZA-5D	GROUNDWATER	COMPOSITE	3			
3-1-06	9:20	MW-25	GROUNDWATER	COMPOSITE	3			
3-1-06	10:20	MW-20	GROUNDWATER	COMPOSITE	3			
3-1-06	10:50	MW-7	GROUNDWATER	COMPOSITE	3			
3-1-06	11:40	MW-6	GROUNDWATER	COMPOSITE	3			
3-1-06	1:05	MW-5	GROUNDWATER	COMPOSITE	3			
3-1-06	1:55	MW-3	GROUNDWATER	COMPOSITE	3			

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation
- ☐ YES – MCP Data Certification required.
- ☐ YES – MCP Drinking Water Sample Included.
- (Required for inclusion of contingent duplicate sample.
- Triplicate required, if VOA sample collected).

Signature:

RC 10 1+ 3/2

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
☐ CT	☒ MCP GW-1/S-1	☐ PWS Form
☐ ME	☐ MCP GW-2/S-2	☐ MWRA
☒ MA	☐ NY STARS	☐
☐ NH	☐ Drinking Water	
☐ NY	☐ Wastewater	
☐ RI	☐ Waste Disposal	
☐ VT	☐ Dredge Material	
☐	☐	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. Each MS, MSD and Sample Duplicate requires an additional sample aliquot.

Project Specific QC Required:
- ☐ 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 Hoosty	3-3-06	1140	Received by:	Receipt Temperature: 2
Relinquished by:	3/6	1411	Received by:	Container Count: 36
Relinquished by:	Date	Time	Received by Laboratory	Shipping/Airbill Number:

Method of Shipment: ☐ GWA Courier ☐ Express Mail ☐ Federal Express ☐ UPS ☐ Hand ☐

Custody Seal Number:

GROUNDWATER ANALYTICAL

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Buzzards Bay, MA 02532
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www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 207045

Project Name: General Liquid Corp.
Project Number:
Sampler Name: Bruce C[illegible]
Project Manager: Michael [illegible]
Firm: WEB Engineering
Address: 104 Longwater Drive
City / State / Zip: Norwell MA 02061
Telephone: 781-878-7766

TURNAROUND

- [x] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN- _____)
  (Rush requires Prior Approval for Surcharge)
- [ ] Please Email to: _____
- [ ] Please FAX to: 781-878-8567

BILLING

- [ ] Purchase Order No.: _____
- [ ] Third Party Billing: _____
- [ ] GWA Quote: _____

ANALYSIS REQUEST

VOA (8260) | SVOA | NPHES | BCNACHE

Volatiles | Semivolatiles | Pest./Herb./PCBs: Extractable / Vol. | Metals | Extractable (by Location): Ext. TPH / Vol. TPH | Haz. Waste | General Chemistry | Other

INSTRUCTIONS: Separate line for each container (except replicates)

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
3-3-06	9:30	[illegible]-1	X	X	3X	X		
3-3-06	10:05	[illegible]-7R	X	X	3X	X		
3-3-06	11:05	[illegible]-4	X	X	3X	X		
3-3-06	9:[illegible]	[illegible]-2	X	X	3X	X		
3-3-06	1:[illegible]	[illegible]-3	X	X	3X	X		
3-3-06	1:45	[illegible]-4	X	X	3X	X		

REMARKS / SPECIAL INSTRUCTIONS

MA DEP [illegible]
ES
[illegible]
(Results
To Client)
Signature

- [ ] [illegible] Enhancement Affirmation
- [ ] [illegible] Certification required.
- [ ] [illegible] Water Sample included.
- [ ] [illegible]gon Duplicate sample.
- [ ] [illegible] if VOA sample collected).

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[x] MCP GW-1/S-1	[ ] PWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] MWRA
[x] MA	[ ] NY STARS	[ ] _____
[ ] NH	[ ] Drinking Water	
[ ] NY	[ ] Wastewater	
[ ] RI	[ ] Waste Disposal	
[ ] VT	[ ] Sewage 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

- [ ] Sample Duplicate
- [ ] Matrix Spike
- [ ] Matrix Spike Duplicate

Selection of QC Sample

- [ ] Please use sample: _____

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse hereof.

Relinquished by Sampler:	Date	Time	Received by:	Receipt Temperature:
Bruce Olson	3-3-06	1[illegible]0	[illegible]	2
Relinquished by:	**Date**	**Time**	**Received by:**	**Container Count:**
[illegible]	3/[illegible]	[illegible]	[illegible]	18
Relinquished by:	**Date**	**Time**	**Received by Laboratory:**	**Shipping/Airbill Number:**

Method of Shipment: [illegible] Courier [ ] Express Mail [ ] Federal Express [ ] UPS [ ] Other _____

Custody Seal Number:

GROUNDWATER ANALYTICAL

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans*, US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste*, US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

Groundwater Analytical, Inc., P.O. Box 1200, 228 Main Street, Buzzards Bay, MA 02532

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3465-WL	Analyzed:	03-09-06 08:53	Analyzed:	03-09-06 09:21
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	9.5	95 %	10	8.1	81 %	17 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.9	99 %	10	9.1	91 %	9 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	10	104 %	10	9.6	96 %	8 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.2	92 %	10	9.6	96 %	4 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	103 %	10	10	103 %	0 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9.9	99 %	10	9.7	97 %	1 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	17	87 %	20	18	89 %	2 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	105 %	10	9.7	97 %	8 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	20	98 %	20	18	91 %	8 %	70 - 130 %	25%
67-64-1	Acetone	20	17	87 %	20	16	80 %	9 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	16	78 %	20	15	75 %	4 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	11	108 %	10	9.4	94 %	14 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.9	99 %	10	9.5	95 %	5 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	8.5	85 %	10	9	90 %	6 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	11	108 %	10	11	106 %	2 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	11	113 %	10	10	102 %	11 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	107 %	20	19	94 %	13 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	113 %	10	11	109 %	4 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	20	101 %	20	19	96 %	5 %	70 - 130 %	25%
67-66-3	Chloroform	10	10	101 %	10	10	103 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	104 %	10	9.8	98 %	6 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	11	106 %	10	9.6	96 %	10 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	11	105 %	10	9.5	95 %	11 %	70 - 130 %	25%
71-43-2	Benzene	10	10	101 %	10	9.6	96 %	5 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.6	96 %	10	9.6	96 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.9	99 %	10	9.3	93 %	6 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	1	106 %	10	10	101 %	5 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	0	103 %	10	11	107 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	1	105 %	10	10	102 %	3 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	50	73 %	200	140	71 %	3 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	1	105 %	10	9.5	95 %	11 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	17	87 %	20	18	92 %	5 %	70 - 130 %	25%
108-88-3	Toluene	10	9.6	96 %	10	9.7	97 %	2 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	11	106 %	10	11	110 %	3 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	103 %	10	11	107 %	3 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	11	107 %	10	10	102 %	5 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	103 %	10	11	107 %	4 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	21	105 %	20	21	106 %	1 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	10	104 %	10	11	109 %	5 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	110 %	10	11	112 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	101 %	10	9.9	99 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	108 %	10	10	101 %	6 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	104 %	10	10	100 %	4 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	105 %	20	20	100 %	4 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	101 %	10	9.8	98 %	3 %	70 - 130 %	25%
100-42-5	Styrene	10	10	105 %	10	10	102 %	3 %	70 - 130 %	25%
75-25-2	Bromoform	10	1	113 %	10	11	111 %	2 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3465-WL	Analyzed:	03-09-06 08:53	Analyzed:	03-09-06 09:21
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	10	102 %	10	10	102 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	11	108 %	10	10	101 %	7 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	12	118 %	10	11	114 %	4 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	104 %	10	10	103 %	2 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.7	97 %	10	9.7	97 %	1 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	101 %	10	9.8	98 %	3 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	10	100 %	10	9.6	96 %	4 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	101 %	10	9.7	97 %	4 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	100 %	10	9.6	96 %	4 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	10	101 %	10	9.7	97 %	5 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.6	96 %	10	9.5	95 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.2	92 %	10	9.7	97 %	5 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	10	104 %	10	9.8	98 %	6 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	11	107 %	10	10	101 %	6 %	70 - 130 %	25%
91-20-3	Naphthalene	10	11	108 %	10	11	105 %	3 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	10	103 %	10	9.5	95 %	8 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	190	93 %	200	150	75 %	22 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	11	108 %	10	9.8	98 %	10 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	10	100 %	10	9.9	99 %	1 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.1	91 %	10	8.8	88 %	3 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	11	109 %	10	11	110 %		70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	10	9.5	95 %		70 - 130 %
Toluene-d_8	10	9.4	94 %	10	10	101 %		70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	10	9.5	95 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3465-WB	Analyzed:	03-09-06 09:50
Matrix:	Aqueous	Analyst:	KMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3465-WB	Analyzed:	03-09-06 09:50
Matrix:	Aqueous	Analyst:	KMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	117 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	105 %	70 - 130 %
Toluene-d_8	10	10	103 %	70 - 130 %
4-Bromofluorobenzene	10	9.8	98 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3466-WL	Analyzed:	03-09-06 20:48	Analyzed:	03-09-06 21:17
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	8.3	83 %	10	8.4	84 %	1 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.3	93 %	10	8.8	88 %	5 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.1	91 %	10	9	90 %	1 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.8	88 %	10	8.7	87 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9	90 %	10	8.8	88 %	2 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	19	96 %	20	17	83 %	15 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	11	105 %	10	9.7	97 %	9 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	18	90 %	20	17	87 %	3 %	70 - 130 %	25%
67-64-1	Acetone	20	21	106 %	20	21	106 %	0 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	15	75 %	20	14	71 %	5 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	11	107 %	10	9.9	99 %	8 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	10	102 %	10	9.2	92 %	11 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9.8	98 %	10	9.5	95 %	3 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	11	106 %	10	9.3	93 %	13 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	11	112 %	10	11	110 %	2 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	106 %	20	21	104 %	1 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	107 %	10	11	108 %	1 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	23	114 %	20	20	100 %	13 %	70 - 130 %	25%
67-66-3	Chloroform	10	11	105 %	10	10	103 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.8	98 %	10	10	102 %	4 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.5	95 %	10	9.9	99 %	4 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
71-43-2	Benzene	10	9.8	98 %	10	9.8	98 %	0 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	108 %	10	10	103 %	4 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.7	97 %	10	9.5	95 %	3 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	11	110 %	10	10	105 %	5 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	112 %	10	10	104 %	7 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	150	74 %	200	140	72 %	2 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	20	102 %	20	17	87 %	16 %	70 - 130 %	25%
108-88-3	Toluene	10	10	102 %	10	9.1	91 %	11 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	11	109 %	10	11	113 %	4 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	103 %	10	11	108 %	5 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9.9	99 %	10	10	101 %	2 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	105 %	10	11	113 %	8 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	21	104 %	20	21	104 %	0 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	106 %	10	11	112 %	6 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	110 %	10	12	120 %	8 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	103 %	10	10	101 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	111 %	10	10	104 %	6 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	101 %	10	10	105 %	3 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	20	100 %	20	20	102 %	2 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	101 %	10	10	104 %	3 %	70 - 130 %	25%
100-42-5	Styrene	10	10	104 %	10	11	108 %	3 %	70 - 130 %	25%
75-25-2	Bromoform	10	12	117 %	10	12	116 %	1 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.9	99 %	10	9.8	98 %	2 %	70 - 130 %	25%

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3466-WL	Analyzed:	03-09-06 20:48	Analyzed:	03-09-06 21:17
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	11	106 %	10	11	105 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	11	112 %	10	10	103 %	8 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	13	125 %	10	12	124 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	105 %	10	10	102 %	2 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	104 %	10	9.9	99 %	5 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	103 %	10	10	104 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	10	104 %	10	10	100 %	4 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	10	100 %	10	10	102 %	2 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	102 %	10	10	102 %	0 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.9	99 %	10	9.9	99 %	0 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	100 %	10	9.9	99 %	1 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	102 %	10	10	100 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	10	102 %	10	9.8	98 %	3 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.9	99 %	10	9.2	92 %	7 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	10	105 %	10	9.8	98 %	6 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.9	99 %	10	9.9	99 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	12	116 %	10	11	107 %	8 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	106 %	10	10	100 %	6 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	210	107 %	200	210	105 %	2 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	10	104 %	10	10	101 %	3 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	10	102 %	10	9.3	93 %	9 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.2	92 %	10	8.8	88 %	5 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	11	106 %	10	11	107 %		70 - 130 %
1,2-Dichloroethane-d_4	10	11	107 %	10	8.4	84 %		70 - 130 %
Toluene-d_8	10	10	104 %	10	9.3	93 %		70 - 130 %
4-Bromofluorobenzene	10	9.7	97 %	10	9.8	98 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Cont ol Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3466-WB	Analyzed:	03-09-06 21:46
Matrix:	Aqueous	Analyst:	CCT

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
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:	VM4-3466-WB	Analyzed:	03-09-06 21:46
Matrix:	Aqueous	Analyst:	CCT

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	sec-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	102 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.4	84 %	70 - 130 %
Toluene-d_8	10	10	101 %	70 - 130 %
4-Bromofluorobenzene	10	9.8	98 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2058-WL	Analyzed:	03-11-06 07:55	Analyzed:	03-11-06 08:24
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	5	5.9	118 %	5	6.1	121 %	3 %	70 - 130 %	25%
74-87-3	Chloromethane	5	4.9	99 %	5	5.3	106 %	7 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	5	5.1	102 %	5	5.6	112 %	9 %	70 - 130 %	25%
74-83-9	Bromomethane	5	5	100 %	5	5.4	107 %	7 %	70 - 130 %	25%
75-00-3	Chloroethane	5	5.4	107 %	5	5.8	115 %	7 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	5	5.4	108 %	5	5.6	111 %	3 %	70 - 130 %	25%
60-29-7	Diethyl Ether	10	10	102 %	10	11	105 %	3 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	5	5.3	106 %	5	5.6	112 %	6 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	10	12	117 %	10	12	123 %	5 %	70 - 130 %	25%
67-64-1	Acetone	10	11	114 %	10	11	111 %	3 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	10	9.6	96 %	10	10	100 %	4 %	70 - 130 %	25%
75-09-2	Methylene Chloride	5	5.2	104 %	5	5.3	106 %	2 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	5	5.2	104 %	5	5.4	107 %	3 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	5	5	100 %	5	5	101 %	1 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	5	5.3	107 %	5	5.4	109 %	2 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	5	5.1	103 %	5	5.3	106 %	3 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	5	5.6	111 %	5	5.6	112 %	1 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	10	9.6	96 %	10	9.2	92 %	4 %	70 - 130 %	25%
74-97-5	Bromochloromethane	5	5.6	112 %	5	5.5	111 %	1 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
67-66-3	Chloroform	5	5.3	106 %	5	5.4	108 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	5	5.3	106 %	5	5.5	110 %	4 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	5	5.6	112 %	5	5.8	115 %	3 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	5	5.5	110 %	5	5.8	116 %	5 %	70 - 130 %	25%
71-43-2	Benzene	5	5.3	106 %	5	5.5	109 %	3 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	5	5.5	109 %	5	5	100 %	9 %	70 - 130 %	25%
79-01-6	Trichloroethene	5	5.4	109 %	5	5.5	109 %	1 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	5	5.3	106 %	5	5.3	107 %	1 %	70 - 130 %	25%
74-95-3	Dibromomethane	5	5.3	106 %	5	5.3	105 %	1 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	5	5.7	113 %	5	5.7	114 %	0 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	100	160	160 % q	100	150	152 % q	5 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	5	5.5	110 %	5	5.6	113 %	3 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
108-88-3	Toluene	5	5.6	111 %	5	5.6	112 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	5	5.3	106 %	5	5.5	109 %	3 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	5	5.5	111 %	5	5.6	111 %	0 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	5	5.4	108 %	5	5.7	114 %	6 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	5	5.6	113 %	5	5.6	112 %	1 %	70 - 130 %	25%
591-78-6	2-Hexanone	10	10	102 %	10	10	103 %	1 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	5	5.6	112 %	5	5.7	113 %	1 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	5	5.6	112 %	5	5.6	112 %	0 %	70 - 130 %	25%
108-90-7	Chlorobenzene	5	5.3	105 %	5	5.4	108 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	5	5.6	112 %	5	5.7	114 %	2 %	70 - 130 %	25%
100-41-4	Ethyl benzene	5	5.7	114 %	5	5.9	119 %	4 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	10	11	114 %	10	12	118 %	3 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	5	5.6	112 %	5	5.8	115 %	2 %	70 - 130 %	25%
100-42-5	Styrene	5	5.7	114 %	5	5.9	118 %	4 %	70 - 130 %	25%
75-25-2	Bromoform	5	5.9	117 %	5	5.8	116 %	1 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	5	5.9	117 %	5	6.1	121 %	4 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2058-WL	Analyzed:	03-11-06 07:55	Analyzed:	03-11-06 08:24
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	5	5.5	110 %	5	5.6	112 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	5	5.7	114 %	5	5.6	113 %	1 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	5	6.2	123 %	5	6.1	121 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	5	5.9	118 %	5	6.1	122 %	3 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	5	5.6	112 %	5	5.8	116 %	3 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	5	5.9	117 %	5	6	119 %	2 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	5	5.7	114 %	5	5.8	115 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	5	5.8	115 %	5	6	119 %	3 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	5	5.8	117 %	5	5.9	118 %	1 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	5	5.7	114 %	5	6	120 %	4 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	5	5.2	104 %	5	5.4	108 %	4 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	5	5.8	115 %	5	5.9	119 %	3 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	5	5.3	106 %	5	5.4	107 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	5	5.3	105 %	5	5.3	107 %	1 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	5	5.8	117 %	5	6	121 %	3 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	5	5.3	106 %	5	5.4	109 %	2 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	5	4.9	98 %	5	5	100 %	3 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	5	5.5	110 %	5	5.7	113 %	2 %	70 - 130 %	25%
91-20-3	Naphthalene	5	4.7	93 %	5	4.7	95 %	2 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	5	5	100 %	5	5.1	102 %	2 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	100	95	95 %	100	91	91 %	4 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	5	5	99 %	5	5.1	101 %	2 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	5	4.8	96 %	5	4.9	98 %	2 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	5	4.4	87 %	5	4.5	89 %	2 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	11	111 %	10	11	109 %		70 - 130 %
1,2-Dichloroethane-d_4	10	11	111 %	10	11	110 %		70 - 130 %
Toluene-d_8	10	12	117 %	10	12	115 %		70 - 130 %
4-Bromofluorobenzene	10	12	116 %	10	11	114 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890
QC Batch ID	VM7-2058-WB	Analyzed:	03-11-06 09:22
Matrix:	Aqueous	Analyst:	CCT

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl tert-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2058-WB	Analyzed:	03-11-06 09:22
Matrix:	Aqueous	Analyst:	CCT

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	111 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	113 %	70 - 130 %
Toluene-d_8	10	11	114 %	70 - 130 %
4-Bromofluorobenzene	10	11	114 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, *is* below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0585

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

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June 30, 2006

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **Gen. Chemical/04-E-005**
Lab ID: **95937**
Received: **06-16-06**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/jk
Enclosures

GROUNDWATER ANALYTICAL

Sample Rece pt Report

Project: Gen. Chemical/04-E-005
Client: WEB Engineering
Lab ID: 95937

Delivery: GWA Courier
Airbill: n/a
Lab Receipt: 06-16-06

Temperature: 2.9'C
Chain of Custody: Present
Custody Seal(s): n/a

Lab ID	Field ID		Matrix	Sampled	Method			Notes
95937-1	RW-2		Aqueous	6/15/06 8:45	EPA 8260B	Volatile Organics with Oxygenates		
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711111	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711099	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
95937-2	RW-3		Aqueous	6/15/06 8:50	EPA 8260B	Volatile Organics with Oxygenates		
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711137	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711136	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
95937-3	RW-4		Aqueous	6/15/06 8:55	EPA 8260B	Volatile Organics with Oxygenates		
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711127	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711126	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
95937-4	BIO-1		Aqueous	6/15/06 9:00	EPA 8260B	Volatile Organics with Oxygenates		
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711139	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711138	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
95937-5	BIO-2		Aqueous	6/15/06 9:05	EPA 8260B	Volatile Organics with Oxygenates		
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711125	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711124	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
95937-6	BIO-3		Aqueous	6/15/06 9:10	EPA 8260B	Volatile Organics with Oxygenates		
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711135	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711123	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
95937-7	CV-1		Aqueous	6/15/06 9:15	EPA 8260B	Volatile Organics with Oxygenates		
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711113	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711112	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
95937-8	CV-2		Aqueous	6/15/06 9:20	EPA 8260B	Volatile Organics with Oxygenates		
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711101	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711100	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

GROUNDWATER ANALYTICAL

Data Certification

Project: **Gen. Chemical/04-E-005** Lab ID: **95937**
Client: **WEB Engineering** Received: **06-16-06 17:30**

MA DEP Compendium of Analytical Methods

Project Location: **n/a** MA DEP RTN: **n/a**

This Form provides certifications for the following data set:

EPA 8260B: 95937-01,-02,-03,-04,-05,-06,-07,-08

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
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, list:
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.
(check all that apply)

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status.

A.	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes
B.	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data* ?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

A response to questions E and F below is required for "Presumptive Certainty" status.

E.	Were all QC performance standards and recommendations for the specified methods achieved?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project Narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Position: Operations Manager

Printed Name: Eric H. Jensen Date: 06-30-06

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-2	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-01	QC Batch ID:	VM4-3575-W
Sampled:	06-15-06 08:45	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-27-06 17:34	Dilution Factor:	500
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	530		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	4,300		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	320		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	13,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	7,200		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	5,100		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	8,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-2**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-01**	QC Batch ID:	**VM4-3575-W**
Sampled:	**06-15-06 08:45**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-27-06 17:34**	Dilution Factor:	**500**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	100 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.8	78 %	70 - 130 %
Toluene-d_8	10	8.7	87 %	70 - 130 %
4-Bromofluorobenzene	10	8.2	82 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Methoc 8260B
Volatile Organics by GC/MS

Field ID:	RW-3	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-02	QC Batch ID:	VM4-3575-W
Sampled:	06-15-06 08:50	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-27-06 18:03	Dilution Factor:	2000
Analyst:	KMC		

CAS Number	Analyte	Concen ration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1000
74-87-3	Chloromethane	BRL		ug/L	1000
75-01-4	Vinyl Chloride	BRL		ug/L	1000
74-83-9	Bromomethane	BRL		ug/L	1000
75-00-3	Chloroethane	BRL		ug/L	1000
75-69-4	Trichlorofluoromethane	BRL		ug/L	1000
60-29-7	Diethyl Ether	BRL		ug/L	4000
75-35-4	1,1-Dichloroethene	6,800		ug/L	1000
76-13-1	1,1,2-Trichlorotrifluoroethane	13,000		ug/L	10000
67-64-1	Acetone	BRL		ug/L	20000
75-15-0	Carbon Disulfide	BRL		ug/L	10000
75-09-2	Methylene Chloride	24,000		ug/L	5000
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1000
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1000
75-34-3	1,1-Dichloroethane	BRL		ug/L	1000
594-20-7	2,2-Dichloropropane	BRL		ug/L	1000
156-59-2	*cis*-1,2-Dichloroethene	45,000		ug/L	1000
78-93-3	2-Butanone (MEK)	BRL		ug/L	10000
74-97-5	Bromochloromethane	BRL		ug/L	1000
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10000
67-66-3	Chloroform	BRL		ug/L	1000
71-55-6	1,1,1-Trichloroethane	91,000		ug/L	1000
56-23-5	Carbon Tetrachloride	BRL		ug/L	1000
563-58-6	1,1-Dichloropropene	BRL		ug/L	1000
71-43-2	Benzene	BRL		ug/L	1000
107-06-2	1,2-Dichloroethane	BRL		ug/L	1000
79-01-6	Trichloroethene	38,000		ug/L	1000
78-87-5	1,2-Dichloropropane	BRL		ug/L	1000
74-95-3	Dibromomethane	BRL		ug/L	1000
75-27-4	Bromodichloromethane	BRL		ug/L	1000
123-91-1	1,4-Dioxane	BRL		ug/L	1000000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1000
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10000
108-88-3	Toluene	BRL		ug/L	1000
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1000
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1000
127-18-4	Tetrachloroethene	31,000		ug/L	1000
142-28-9	1,3-Dichloropropane	BRL		ug/L	1000
591-78-6	2-Hexanone	BRL		ug/L	10000
124-48-1	Dibromochloromethane	BRL		ug/L	1000
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1000
108-90-7	Chlorobenzene	BRL		ug/L	1000
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1000
100-41-4	Ethylbenzene	BRL		ug/L	1000
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1000
95-47-6	*ortho*-Xylene	BRL		ug/L	1000

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	RW-3	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-02	QC Batch ID:	VM4-3575-W
Sampled:	06-15-06 08:50	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-27-06 18:03	Dilution Factor:	2000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1000
75-25-2	Bromoform	BRL		ug/L	1000
98-82-8	Isopropylbenzene	BRL		ug/L	1000
108-86-1	Bromobenzene	BRL		ug/L	1000
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1000
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1000
103-65-1	*n*-Propylbenzene	BRL		ug/L	1000
95-49-8	2-Chlorotoluene	BRL		ug/L	1000
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1000
106-43-4	4-Chlorotoluene	BRL		ug/L	1000
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1000
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1000
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1000
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1000
99-87-6	4-Isopropyltoluene	BRL		ug/L	1000
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1000
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1000
104-51-8	*n*-Butylbenzene	BRL		ug/L	1000
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1000
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1000
87-68-3	Hexachlorobutadiene	BRL		ug/L	1000
91-20-3	Naphthalene	BRL		ug/L	1000
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1000
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1000
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1000
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1000

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	102 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.2	82 %	70 - 130 %
Toluene-d_8	10	9.0	90 %	70 - 130 %
4-Bromofluorobenzene	10	8.6	86 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-4	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-03	QC Batch ID:	VM4-3574-W
Sampled:	06-15-06 08:55	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-26-06 18:42	Dilution Factor:	1000
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	520		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	BRL		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	14,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	7,200		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	21,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	16,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	RW-4	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-03	QC Batch ID:	VM4-3574-W
Sampled:	06-15-06 08:55	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-26-06 18:42	Dilution Factor:	1000
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	sec-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	104 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.1	81 %	70 - 130 %
Toluene-d_8	10	9.1	91 %	70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	BIO-1	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-04	QC Batch ID:	VM4-3575-W
Sampled:	06-15-06 09:00	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-27-06 18:32	Dilution Factor:	1000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	2,500		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	1,400		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	2,700		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	24,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	35,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	22,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	19,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethyl benzene	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

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-1**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-04**	QC Batch ID:	**VM4-3575-W**
Sampled:	**06-15-06 09:00**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-27-06 18:32**	Dilution Factor:	**1000**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	101 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.8	88 %	70 - 130 %
Toluene-d_8	10	9.2	92 %	70 - 130 %
4-Bromofluorobenzene	10	8.2	82 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	BIO-2	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-05	QC Batch ID:	VM4-3575-W
Sampled:	06-15-06 09:05	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-27-06 19:01	Dilution Factor:	1000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	2,200		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	5,200		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	4,300		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	22,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	33,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	20,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	18,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	BIO-2	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-05	QC Batch ID:	VM4-3575-W
Sampled:	06-15-06 09:05	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-27-06 19:01	Dilution Factor:	1000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.8	98 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.7	87 %	70 - 130 %
Toluene-d_8	10	8.8	88 %	70 - 130 %
4-Bromofluorobenzene	10	8.1	81 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	BIO-3	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-06	QC Batch ID:	VM4-3575-W
Sampled:	06-15-06 09:10	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-27-06 19:33	Dilution Factor:	1000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	2,000		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	8,100		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	21,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	30,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	19,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	13,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-3**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-06**	QC Batch ID:	**VM4-3575-W**
Sampled:	**06-15-06 09:10**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-27-06 19:33**	Dilution Factor:	**1000**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.6	**96 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.0	**90 %**	70 - 130 %
Toluene-d_8	10	8.9	**89 %**	70 - 130 %
4-Bromofluorobenzene	10	8.6	**86 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	CV-1	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-07	QC Batch ID:	VM4-3575-W
Sampled:	06-15-06 09:15	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-27-06 20:02	Dilution Factor:	1000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	2,400		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	9,400		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	29,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	43,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	20,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	8,600		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**CV-1**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-07**	QC Batch ID:	**VM4-3575-W**
Sampled:	**06-15-06 09:15**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-27-06 20:02**	Dilution Factor:	**1000**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	101 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.7	87 %	70 - 130 %
Toluene-d_8	10	9.2	92 %	70 - 130 %
4-Bromofluorobenzene	10	8.2	82 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	CV-2	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-08	QC Batch ID:	VM4-3575-W
Sampled:	06-15-06 09:20	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-27-06 20:31	Dilution Factor:	1000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	1,400		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	1,000		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	21,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	35,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	20,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	18,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	CV-2	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-08	QC Batch ID:	VM4-3575-W
Sampled:	06-15-06 09:20	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-27-06 20:31	Dilution Factor:	1000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
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	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.7	87 %	70 - 130 %
Toluene-d_8	10	9.0	90 %	70 - 130 %
4-Bromofluorobenzene	10	8.3	83 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	**Gen. Chemical/04-E-005**	Lab ID:	**95937**
Client:	**WEB Engineering**	Received:	**06-16-06 17:30**

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Non-conformance: Sample 95937-03. Laboratory control sample (LCS) analytes Acetone, 1,4 Dioxane were above recommended recovery limits for QC batch VM4-3574-W.
2. EPA 8260B Non-conformance: Samples 95937-01, -02, -04, -05, -06, -07 and -08. Laboratory control sample (LCS) analytes Acetone, Tetrahydrofuran were above recommended recovery limits for QC batch VM4-3575-W.
3. EPA 8260B Note: Samples 95937-01 through -08. Samples were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

GROUNDWATER ANALYTICAL

228 Main Street, P.O. Box 1200
Buzzards Bay, MA 02532
Telephone (508) 759-4441 FAX (508) 759-4475
www.groundwateranalytical.com

№ 205237

Project Name: GEN. CHEMICAL	Firm: WEB ENGINEERING
Project Number: 04-E-005	Address: 764 LONGWATER DR.
Sampler Name: M.J. HUDSON	City / State / Zip: NORWELL, MA 02061
Project Manager: M.J. HUDSON	Telephone: 781-844-8329

INSTRUCTIONS: Use separate line for each container (except replicates).

BILLING
- [X] Purchase Order No.: 04-E-005
- [ ] Third Party Billing:
- [ ] GWA Quote #:

ANALYSIS REQUESTED

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Analysis
6-15-06	8:45	RW-2	GROUNDWATER X	COMPOSITE	2 x 40ml VOA		
	8:50	RW-3	GROUNDWATER X	COMPOSITE	2 x 40ml VOA		
	8:55	RW-4	GROUNDWATER X	COMPOSITE	2 x 40ml VOA		
	9:00	B10-1	GROUNDWATER X	COMPOSITE	2 x 40ml VOA		
	9:05	B10-2	GROUNDWATER X	COMPOSITE	2 x 40ml VOA		
	9:10	B10-3	GROUNDWATER X	COMPOSITE	2 x 40ml VOA		
	9:15	CV-1	GROUNDWATER X	COMPOSITE	2 x 40ml VOA		
	9:20	CV-2	GROUNDWATER X	COMPOSITE	2 x 40ml VOA		

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

[X] YES [ ] NO MCP Data Certification required.

[ ] YES [X] NO MCP Drinking Water Sample included.
(Require collection of contingent duplicate sample.
Trip blank(s) are also required, if VOA sample collected).

Signature: M.J. Hudson

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[X] MCP GW-1/S-1	[ ] PWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] MWRA
[X] MA	[ ] NY STARS	[ ]
[ ] NH	[ ] Drinking Water	
[ ] NY	[ ] Wastewater	
[ ] RI	[ ] Waste Disposal	
[ ] VT	[ ] Dredge Material	
[ ]	[ ]	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. Each MS, MSD and Sample Duplicate requires an additional sample aliquot.

Project Specific QC Required:
- [ ] 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: M.J. Hudson	6-15-06	12:10	Received by: Alan Maddigan	Receipt Temperature: Blind [X] Temperature Blank 2.9°C
Relinquished by: Alan Maddigan	6/16/06	5:30	Received by: Amber Kalvet	Container Count: 16
Relinquished by:	Date	Time	Received by Laboratory	Shipping/Airbill Number:

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 valicity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3574-WL	Analyzed:	06-26-06 09:58	Analyzed:	06-26-06 10:27
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	8.3	83 %	10	7.8	78 %	6 %	70 - 130 %	25%
74-87-3	Chloromethane	10	8.4	84 %	10	8.2	82 %	3 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	8.9	89 %	10	8.9	89 %	0 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.6	86 %	10	8.5	85 %	2 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.4	94 %	10	9	90 %	5 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	8.1	81 %	10	7.3	73 %	11 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	17	87 %	20	16	79 %	10 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.2	82 %	10	8.2	82 %	0 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	16	78 %	20	14	72 %	7 %	70 - 130 %	25%
67-64-1	Acetone	20	33	166 % q	20	32	161 % q	3 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	15	75 %	20	14	70 %	6 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.3	93 %	10	9.5	95 %	2 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	8.3	83 %	10	8.1	81 %	3 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9.1	91 %	10	8.3	83 %	10 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.7	97 %	10	8.5	85 %	14 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.1	91 %	10	8.1	81 %	12 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.5	95 %	10	8.9	89 %	7 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	20	99 %	20	19	94 %	5 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	9.7	97 %	10	8.9	89 %	8 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	17	86 %	20	18	92 %	7 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.8	98 %	10	8.9	89 %	10 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	8.6	86 %	10	7.8	78 %	10 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	7.9	79 %	10	7.6	76 %	3 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9	90 %	10	8.6	86 %	5 %	70 - 130 %	25%
71-43-2	Benzene	10	8.5	85 %	10	8.3	83 %	3 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.1	91 %	10	8.8	88 %	3 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	8.4	84 %	10	8.1	81 %	3 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.6	96 %	10	9.3	93 %	4 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	9.3	93 %	10	8.6	86 %	8 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.3	93 %	10	8.8	88 %	6 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	290	146 % q	200	230	116 %	23 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.2	92 %	10	9.1	91 %	1 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	19	96 %	20	19	95 %	1 %	70 - 130 %	25%
108-88-3	Toluene	10	9	90 %	10	8.5	85 %	6 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	8.8	88 %	10	8.1	81 %	8 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.7	97 %	10	9.3	93 %	4 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	8.4	84 %	10	8.5	85 %	0 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	104 %	10	9.6	96 %	7 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	20	99 %	20	19	95 %	4 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.1	91 %	10	9.2	92 %	0 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	8.9	89 %	10	8.9	89 %	0 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9	90 %	10	8.8	88 %	2 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	9.3	93 %	10	9.2	92 %	0 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.3	93 %	10	9.1	91 %	2 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	18	91 %	20	18	90 %	2 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	8.9	89 %	10	9.2	92 %	4 %	70 - 130 %	25%
100-42-5	Styrene	10	9.2	92 %	10	9.2	92 %	0 %	70 - 130 %	25%
75-25-2	Bromoform	10	9.9	99 %	10	9.3	93 %	6 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	8.3	83 %	10	8.7	87 %	4 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3574-WL	Analyzed:	06-26-06 09:58	Analyzed:	06-26-06 10:27
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	8.9	89 %	10	9.5	95 %	7 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.8	98 %	10	9.5	95 %	3 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	10	100 %	10	11	108 %	8 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	8.8	88 %	10	9.1	91 %	3 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	8.8	88 %	10	8.9	89 %	1 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9	90 %	10	8.9	89 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	8.6	86 %	10	8.8	88 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	8.5	85 %	10	8.6	86 %	1 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9	90 %	10	8.9	89 %	1 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	8.6	86 %	10	8.5	85 %	0 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.1	91 %	10	9.1	91 %	0 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	8.5	85 %	10	8.6	86 %	2 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	8.9	89 %	10	8.8	88 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	8.5	85 %	10	8.7	87 %	2 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	8.7	87 %	10	8.8	88 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.6	96 %	10	9	90 %	6 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	8.9	89 %	10	9.1	91 %	2 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	8.3	83 %	10	8.3	83 %	0 %	70 - 130 %	25%
91-20-3	Naphthalene	10	9	90 %	10	9.1	91 %	1 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	9.2	92 %	10	9.2	92 %	0 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	200	98 %	200	180	89 %	9 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.8	98 %	10	8.8	88 %	11 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.5	95 %	10	8.9	89 %	6 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	8.4	84 %	10	7.7	77 %	8 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	100 %	10	9.3	93 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.5	85 %	10	8.2	82 %	70 - 130 %
Toluene-d_8	10	9	90 %	10	8.7	87 %	70 - 130 %
4-Bromofluorobenzene	10	8.6	86 %	10	8.8	88 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviations.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3574-WB	Analyzed:	06-26-06 10:56
Matrix:	Aqueous	Analyst:	LMG

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3574-WB	Analyzed:	06-26-06 10:56
Matrix:	Aqueous	Analyst:	LMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.3	93 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.8	78 %	70 - 130 %
Toluene-d_8	10	8.9	89 %	70 - 130 %
4-Bromofluorobenzene	10	8.5	85 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3575-WL	Analyzed:	06-27-06 12:39	Analyzed:	06-27-06 13:08
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	11	109 %	10	11	112 %	3 %	70 - 130 %	25%
74-87-3	Chloromethane	10	10	100 %	10	10	101 %	1 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	10	103 %	10	10	101 %	2 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.7	97 %	10	10	100 %	3 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	105 %	10	10	103 %	2 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	8.3	83 %	10	8.3	83 %	0 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	20	98 %	20	19	95 %	4 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.2	82 %	10	8.4	84 %	3 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	17	87 %	20	16	78 %	10 %	70 - 130 %	25%
67-64-1	Acetone	20	39	196 % q	20	33	163 % q	19 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	16	80 %	20	16	79 %	2 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	10	105 %	10	11	105 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.1	91 %	10	9.1	91 %	0 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	11	112 %	10	10	104 %	7 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.1	91 %	10	8.7	87 %	4 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.9	99 %	10	9.9	99 %	0 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	103 %	20	23	115 %	11 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	108 %	10	10	103 %	6 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	27	134 % q	20	21	107 %	23 %	70 - 130 %	25%
67-66-3	Chloroform	10	10	104 %	10	10	102 %	1 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	8.6	86 %	10	8.5	85 %	0 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	8.1	81 %	10	8.2	82 %	0 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	8.9	89 %	10	9.1	91 %	2 %	70 - 130 %	25%
71-43-2	Benzene	10	9.2	92 %	10	9.4	94 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	106 %	10	10	101 %	5 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.2	92 %	10	9.2	92 %	0 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	11	107 %	10	10	104 %	3 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	11	106 %	10	10	100 %	6 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	10	101 %	10	11	105 %	4 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	240	122 %	200	220	109 %	11 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.8	98 %	10	9.6	96 %	2 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	24	121 %	20	22	108 %	12 %	70 - 130 %	25%
108-88-3	Toluene	10	9.3	93 %	10	9.6	96 %	4 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.4	94 %	10	9	90 %	4 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	8.8	88 %	10	9.2	92 %	5 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	11	109 %	10	11	108 %	1 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	23	116 %	20	23	115 %	1 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.5	95 %	10	10	103 %	8 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	10	103 %	10	10	103 %	0 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.4	94 %	10	9.5	95 %	1 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	9.9	99 %	10	9.8	98 %	1 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.6	96 %	10	9.8	98 %	2 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	19	94 %	20	20	101 %	6 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.3	93 %	10	9.9	99 %	6 %	70 - 130 %	25%
100-42-5	Styrene	10	9.6	96 %	10	10	100 %	4 %	70 - 130 %	25%
75-25-2	Bromoform	10	11	109 %	10	10	101 %	7 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.3	93 %	10	8.8	88 %	5 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3575-WL	Analyzed:	06-27-06 12:39	Analyzed:	06-27-06 13:08
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	10	100 %	10	9.5	95 %	5 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	11	110 %	10	10	100 %	10 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	11	113 %	10	11	115 %	2 %	70 - 130 %	25%
103-65-1	n-Propylbenzene	10	9.6	96 %	10	9.3	93 %	4 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.3	93 %	10	9	90 %	4 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9.5	95 %	10	9.3	93 %	2 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.5	95 %	10	9.1	91 %	4 %	70 - 130 %	25%
98-06-6	tert-Butylbenzene	10	9.2	92 %	10	8.8	88 %	4 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.7	97 %	10	9.2	92 %	6 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	9.2	92 %	10	9	90 %	3 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	9.3	93 %	10	9	90 %	3 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.5	95 %	10	9.3	93 %	2 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.7	97 %	10	8.8	88 %	10 %	70 - 130 %	25%
104-51-8	n-Butylbenzene	10	9.3	93 %	10	8.9	89 %	4 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	11	109 %	10	9.2	92 %	17 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	9.9	99 %	10	9.1	91 %	9 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	8.7	87 %	10	8.5	85 %	3 %	70 - 130 %	25%
91-20-3	Naphthalene	10	10	102 %	10	8.9	89 %	13 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	10	103 %	10	8.8	88 %	15 %	70 - 130 %	25%
75-65-0	tert-Butyl Alcohol (TBA)	200	210	106 %	200	190	94 %	12 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	11	110 %	10	11	107 %	3 %	70 - 130 %	25%
637-92-3	Ethyl tert-butyl Ether (ETBE)	10	11	105 %	10	9.8	98 %	7 %	70 - 130 %	25%
994-05-8	tert-Amyl Methyl Ether (TAME)	10	9.5	95 %	10	8.9	89 %	6 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.5	95 %	10	9.6	96 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8	80 %	10	8.9	89 %	70 - 130 %
Toluene-d_8	10	8.6	86 %	10	8.8	88 %	70 - 130 %
4-Bromofluorobenzene	10	8.5	85 %	10	8.1	81 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3575-WB	Analyzed:	06-27-06 13:37
Matrix:	Aqueous	Analyst:	KMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: EPA Method 8260B
QC Batch ID: VM4-3575-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 06-27-06 13:37
Analyst: KMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	8.8	88 %	70 - 130 %
4-Bromofluorobenzene	10	8.2	82 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

Groundwater Analytical, Inc., P.O. Box 1200, 228 Main Street, Buzzards Bay, MA 02532

GROUNDWATER ANALYTICAL

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October 20, 2006

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical/04-E-005**
Lab ID: **99705**
Received: **10-05-06**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Jonathan R. Sanford
President

JRS/jmp
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project:	General Chemical/04-E-005	Delivery	GWA Courier	Temperature:	4.1°C
Client:	WEB Engineering	Airbill	n/a	Chain of Custody:	Present
Lab ID:	99705	Lab Receip :	10-05-06	Custody Seal(s):	n/a

Lab ID	Field ID		Matrix	Sampled	Method			Notes
99705-1	RW-1		Aqueous	10/4/06 9:15	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711092	40 mL VOA Vial	Proline	BX19311	HC	R-4601F	12-30-05	12-30-05	
C711080	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
99705-2	RW-2		Aqueous	10/4/06 9:20	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711140	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711128	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
99705-3	RW-3		Aqueous	10/4/06 9:25	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711116	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711104	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
99705-4	RW-4		Aqueous	10/4/06 9:30	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711093	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711081	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
99705-5	BIO-1		Aqueous	10/4/06 9:45	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711117	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711105	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
99705-6	BIO-2		Aqueous	10/4/06 10:00	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711141	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711129	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
99705-7	BIO-3		Aqueous	10/4/06 10:15	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711142	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711134	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

GROUNDWATER ANALYTICAL

Data Certification

Project: **General Chemical/04-E-005** Lab ID: **99705**
Client: **WEB Engineering** Received: **10-05-06 18:15**

MA DEP Compendium of Analytical Methods

Project Location: **n/a** MA DEP RTN: **n/a**

This Form provides certifications for the following data set:

EPA 8260B: 99705-01,-02,-03,-04,-05,-06,-07

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
MCP SW-846 Methods Used*	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )
	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?	n/a

A response to questions E and F below is required for "Presumptive Certainty" status.

E.	Were all QC performance standards and recommendations for the specified methods achieved?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project Narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Jonathan Sanford Position: President

Printed Name: Jonathan B. Sanford Date: 10-20-06

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	99705-01	QC Batch ID:	VM7-2290-W
Sampled:	10-04-06 09:15	Instrument ID:	MS-4 HP 6890
Received:	10-05-06 18:15	Sample Volume:	25 mL
Analyzed:	10-17-06 11:24	Dilution Factor:	500
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	1,500		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	3,100		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	410		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	16,000	e	ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	18,000		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	7,300		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	4,900		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-01**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 09:15**	Instrument ID:	**MS-4 HP 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-17-06 11:24**	Dilution Factor:	**500**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	sec-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**112 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**106 %**	70 - 130 %
Toluene-d_8	10	12	**116 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**106 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

e Indicates concentration exceeded calibration range for the analyte.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	99705-01RA2	QC Batch ID:	VM7-2290-W
Sampled:	10-04-06 09:15	Instrument ID:	MS-7 Agilent 6890
Received:	10-05-06 18:15	Sample Volume:	25 mL
Analyzed:	10-18-06 15:48	Dilution Factor:	1000
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	1,500		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	3,400		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	25,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	18,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	7,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	50000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	4,800		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-01RA2**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 09:15**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 15:48**	Dilution Factor:	**1000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**111 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**106 %**	70 - 130 %
Toluene-d_8	10	11	**115 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**109 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	99705-02	QC Batch ID:	VM7-2290-W
Sampled:	10-04-06 09:20	Instrument ID:	MS-7 Agilent 6890
Received:	10-05-06 18:15	Sample Volume:	25 mL
Analyzed:	10-18-06 11:53	Dilution Factor:	500
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	1,000		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	2,700		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	5,200		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	340		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	13,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	13,000		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	5,900		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	8,100		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-2**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-02**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 09:20**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 11:53**	Dilution Factor:	**500**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	115 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	113 %	70 - 130 %
Toluene-d_8	10	12	116 %	70 - 130 %
4-Bromofluorobenzene	10	10	105 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	99705-03	QC Batch ID:	VM7-2290-W
Sampled:	10-04-06 09:25	Instrument ID:	MS-7 Agilent 6890
Received:	10-05-06 18:15	Sample Volume:	25 mL
Analyzed:	10-18-06 12:22	Dilution Factor:	2000
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1000
74-87-3	Chloromethane	BRL		ug/L	1000
75-01-4	Vinyl Chloride	BRL		ug/L	1000
74-83-9	Bromomethane	BRL		ug/L	1000
75-00-3	Chloroethane	BRL		ug/L	1000
75-69-4	Trichlorofluoromethane	BRL		ug/L	1000
60-29-7	Diethyl Ether	BRL		ug/L	4000
75-35-4	1,1-Dichloroethene	4,900		ug/L	1000
76-13-1	1,1,2-Trichlorotrifluoroethane	3,000		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	2,000		ug/L	5000
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1000
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1000
75-34-3	1,1-Dichloroethane	BRL		ug/L	1000
594-20-7	2,2-Dichloropropane	BRL		ug/L	1000
156-59-2	*cis*-1,2-Dichloroethene	48,000		ug/L	1000
78-93-3	2-Butanone (MEK)	BRL		ug/L	10000
74-97-5	Bromochloromethane	BRL		ug/L	1000
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10000
67-66-3	Chloroform	BRL		ug/L	1000
71-55-6	1,1,1-Trichloroethane	89,000		ug/L	1000
56-23-5	Carbon Tetrachloride	BRL		ug/L	1000
563-58-6	1,1-Dichloropropene	BRL		ug/L	1000
71-43-2	Benzene	BRL		ug/L	1000
107-06-2	1,2-Dichloroethane	BRL		ug/L	1000
79-01-6	Trichloroethene	26,000		ug/L	1000
78-87-5	1,2-Dichloropropane	BRL		ug/L	1000
74-95-3	Dibromomethane	BRL		ug/L	1000
75-27-4	Bromodichloromethane	BRL		ug/L	1000
123-91-1	1,4-Dioxane	BRL		ug/L	1000000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1000
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10000
108-88-3	Toluene	BRL		ug/L	1000
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1000
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1000
127-18-4	Tetrachloroethene	35,000		ug/L	1000
142-28-9	1,3-Dichloropropane	BRL		ug/L	1000
591-78-6	2-Hexanone	BRL		ug/L	10000
124-48-1	Dibromochloromethane	BRL		ug/L	1000
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1000
108-90-7	Chlorobenzene	BRL		ug/L	1000
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1000
100-41-4	Ethylbenzene	BRL		ug/L	1000
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1000
95-47-6	*ortho*-Xylene	BRL		ug/L	1000

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	RW-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	99705-03	QC Batch ID:	VM7-2290-W
Sampled:	10-04-06 09:25	Instrument ID:	MS-7 Agilent 6890
Received:	10-05-06 18:15	Sample Volume:	25 mL
Analyzed:	10-18-06 12:22	Dilution Factor:	2000
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1000
75-25-2	Bromoform	BRL		ug/L	1000
98-82-8	Isopropylbenzene	BRL		ug/L	1000
108-86-1	Bromobenzene	BRL		ug/L	1000
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1000
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1000
103-65-1	*n*-Propylbenzene	BRL		ug/L	1000
95-49-8	2-Chlorotoluene	BRL		ug/L	1000
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1000
106-43-4	4-Chlorotoluene	BRL		ug/L	1000
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1000
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1000
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1000
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1000
99-87-6	4-Isopropyltoluene	BRL		ug/L	1000
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1000
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1000
104-51-8	*n*-Butylbenzene	BRL		ug/L	1000
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1000
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1000
87-68-3	Hexachlorobutadiene	BRL		ug/L	1000
91-20-3	Naphthalene	BRL		ug/L	1000
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1000
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1000
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1000
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1000

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	117 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	112 %	70 - 130 %
Toluene-d_8	10	12	116 %	70 - 130 %
4-Bromofluorobenzene	10	11	107 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-4	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	99705-04	QC Batch ID:	VM4-3676-W
Sampled:	10-04-06 09:30	Instrument ID:	MS-4 HP 6890
Received:	10-05-06 18:15	Sample Volume:	25 mL
Analyzed:	10-17-06 15:32	Dilution Factor:	500
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	520		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	BRL		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	BRL		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	14,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	8,900		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	23,000		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	19,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	RW-4	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	99705-04	QC Batch ID:	VM4-3676-W
Sampled:	10-04-06 09:30	Instrument ID:	MS-4 HP 6890
Received:	10-05-06 18:15	Sample Volume:	25 mL
Analyzed:	10-17-06 15:32	Dilution Factor:	500
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	103 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	95 %	70 - 130 %
Toluene-d_8	10	11	112 %	70 - 130 %
4-Bromofluorobenzene	10	11	105 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Methoc 8260B
Volatile Organics by GC/MS

Field ID:	BIO-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Via
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	99705-05	QC Batch ID:	VM7-2290-W
Sampled:	10-04-06 09:45	Instrument ID:	MS-7 Agilent 6890
Received:	10-05-06 18:15	Sample Volume:	25 mL
Analyzed:	10-18-06 12:52	Dilution Factor:	1000
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	1,700		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	4,600		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	25,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	28,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	14,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	17,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-05**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 09:45**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 12:52**	Dilution Factor:	**1000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	116 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	112 %	70 - 130 %
Toluene-d_8	10	12	117 %	70 - 130 %
4-Bromofluorobenzene	10	11	108 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	BIO-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	99705-06	QC Batch ID:	VM7-2290-W
Sampled:	10-04-06 10:00	Instrument ID:	MS-7 Agilent 6890
Received:	10-05-06 18:15	Sample Volume:	25 mL
Analyzed:	10-18-06 13:22	Dilution Factor:	1000
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	1,800		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	4,700		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	16,000		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	19,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	5,000		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	7,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	BIO-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	99705-06	QC Batch ID:	VM7-2290-W
Sampled:	10-04-06 10:00	Instrument ID:	MS-7 Agilent 6890
Received:	10-05-06 18:15	Sample Volume:	25 mL
Analyzed:	10-18-06 13:22	Dilution Factor:	1000
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	110 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	105 %	70 - 130 %
Toluene-d_8	10	11	112 %	70 - 130 %
4-Bromofluorobenzene	10	10	103 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	BIO-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	99705-07	QC Batch ID:	VM7-2290-W
Sampled:	10-04-06 10:15	Instrument ID:	MS-7 Agilent 6890
Received:	10-05-06 18:15	Sample Volume:	25 mL
Analyzed:	10-18-06 13:51	Dilution Factor:	1000
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	1,800		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	4,900		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	26,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	29,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	15,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	17,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	BIO-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	99705-07	QC Batch ID:	VM7-2290-W
Sampled:	10-04-06 10:15	Instrument ID:	MS-7 Agilent 6890
Received:	10-05-06 18:15	Sample Volume:	25 mL
Analyzed:	10-18-06 13:51	Dilution Factor:	1000
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	119 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	113 %	70 - 130 %
Toluene-d_8	10	12	117 %	70 - 130 %
4-Bromofluorobenzene	10	11	108 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	General Chemical/04-E-005	Lab ID:	99705
Client:	WEB Engineering	Received:	10-05-06 18:15

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Non-conformance: Sample 99705-01. Reported results for selected analytes exceeded the high standard of the associated calibration curve. Results are estimated. Sample was reanalyzed and reported with all analytes within calibration.
2. EPA 8260B Non-conformance: Sample 99705-04. Laboratory control sample (LCS) analyte Acetone was above recommended recovery limits for QC batch VM4-3670-W.
3. EPA 8260B Note: Samples 99705-01 Through -07. Samples were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

GROUNDWATER ANALYTICAL

Nº 212850

Project Name: GENERAL CHEMICAL	Firm: WEAVER'S COVE ENERGY
Project Number: 04-E-005	Address: 1 WATER STREET
Sampler Name: M. J. HUDSON	City / State / Zip: NORWELL, MA. 02061
Project Manager: M. J. HUDSON	Telephone: 781-871-8329

INSTRUCTIONS: Use separate line for each container (except replicates).

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type of Containers
10-4-06	9:15	RW-1	X	X
	9:20	RW-2	X	X
	9:25	RW-3	X	X
	9:30	RW-4	X	X
	9:45	B10-1	X	X
	10:00	B10-2	X	X
	10:15	B10-3	X	X

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

[X] YES [ ] NO MCP Data Certification required

[ ] YES [X] NO MCP Drinking Water Sample Included

(Require collection of contingent duplicate sample. Trip blanks also required. If VOA sample collected)

Signature: M. J. Hudson

DATA QUALITY OBJECTIVES

Regulatory Program

State Standard / Deliverables

[ ] CT [X] MCP GW-1 S-1 [ ] RCP S 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 Required

[ ] Sample Duplicate

[ ] Matrix Spike

[ ] Matrix Spike Duplicate

Collection of QC Sample

(Please list sample)

CHAIN-OF-CUSTODY RECORD

Note: All Samples submitted subject to Standard Terms and Conditions on reverse hereof.

	Date	Time		
Relinquished by Sampler: M. J. Hudson	10-4-06	1:45	Received by:	Receipt Temperature: 4.1 °C
Relinquished by:	10-4-06	1815	Received by: Henry Almeida	Container Count: 14
Relinquished by:	Date	Time	Received by Laboratory:	Shipping/Airbill Number:

Method of Shipment: [X] GWA Courier [ ] Express Mail [ ] Federal Express [ ] UPS [ ] Hand [ ]

Custody Seal Number:

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Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans*, US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste*, US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3676-WL	Analyzed:	10-17-06 10:09	Analyzed:	10-17-06 10:38
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	10	102 %	10	10	103 %	1 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.4	94 %	10	9.5	95 %	0 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.6	96 %	10	10	100 %	4 %	70 - 130 %	25%
74-83-9	Bromomethane	10	10	101 %	10	10	102 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	104 %	10	11	105 %	1 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9.3	93 %	10	10	101 %	8 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	18	88 %	20	16	81 %	8 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	9.9	99 %	10	9.8	98 %	0 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	20	99 %	20	21	103 %	5 %	70 - 130 %	25%
67-64-1	Acetone	20	140	682 % q	20	140	691 % q	1 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	20	99 %	20	20	101 %	2 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.7	97 %	10	9.6	96 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.5	95 %	10	9.8	98 %	3 %	70 - 130 %	25%
1634-04-4	Methyl tert-butyl Ether (MTBE)	10	9.5	95 %	10	9.1	91 %	5 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.9	99 %	10	9.9	99 %	0 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	10	101 %	10	10	101 %	1 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	15	75 %	20	14	71 %	5 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	10	104 %	10	9.7	97 %	7 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	15	77 %	20	14	72 %	7 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	11	115 %	10	12	117 %	2 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	10	102 %	10	11	106 %	4 %	70 - 130 %	25%
71-43-2	Benzene	10	9.6	96 %	10	9.8	98 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	10	101 %	10	10	102 %	1 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.6	96 %	10	9.8	98 %	1 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	9.4	94 %	10	9.5	95 %	2 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	200	102 %	200	220	110 %	8 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.8	98 %	10	9.8	98 %	1 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	16	82 %	20	16	78 %	6 %	70 - 130 %	25%
108-88-3	Toluene	10	9.9	99 %	10	10	101 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.4	94 %	10	9.4	94 %	0 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.5	95 %	10	9.7	97 %	2 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	11	109 %	10	11	112 %	3 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	9.7	97 %	10	9.7	97 %	0 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	17	86 %	20	15	77 %	10 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	9.9	99 %	10	9.5	95 %	4 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	102 %	10	11	105 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	105 %	10	11	105 %	0 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	104 %	10	11	107 %	3 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	22	109 %	20	22	110 %	1 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	11	105 %	10	10	104 %	1 %	70 - 130 %	25%
100-42-5	Styrene	10	11	106 %	10	11	110 %	4 %	70 - 130 %	25%
75-25-2	Bromoform	10	10	103 %	10	9.5	95 %	8 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.9	99 %	10	11	108 %	9 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3676-WL	Analyzed:	10-17-06 10:09	Analyzed:	10-17-06 10:38
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	9.8	98 %	10	10	105 %	7 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	8.1	81 %	10	8.4	84 %	3 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	9.1	91 %	10	9.2	92 %	1 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	101 %	10	11	111 %	10 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	103 %	10	11	110 %	7 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	101 %	10	11	110 %	8 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.9	99 %	10	11	110 %	11 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	10	102 %	10	11	112 %	10 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	100 %	10	11	109 %	8 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	9.8	98 %	10	11	106 %	8 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.8	98 %	10	11	106 %	8 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	100 %	10	11	108 %	7 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.5	95 %	10	10	104 %	9 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.4	94 %	10	9.8	98 %	4 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.8	98 %	10	11	107 %	8 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	7.3	73 %	10	7.9	79 %	8 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	9.6	96 %	10	10	100 %	4 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.7	97 %	10	11	105 %	8 %	70 - 130 %	25%
91-20-3	Naphthalene	10	9	90 %	10	9.2	92 %	2 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	9.4	94 %	10	9.6	96 %	3 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	160	80 %	200	170	83 %	2 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.6	96 %	10	9.7	97 %	1 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.3	93 %	10	9.1	91 %	2 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	8.2	82 %	10	7.8	78 %	4 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	104 %	10	10	105 %	70 - 130 %
1,2-Dichloroethane-c_4	10	9.5	95 %	10	9	90 %	70 - 130 %
Toluene-d_8	10	11	111 %	10	11	112 %	70 - 130 %
4-Bromofluorobenzene	10	9.7	97 %	10	10	104 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW 846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3676-WB	Analyzed:	10-17-06 11:07
Matrix:	Aqueous	Analyst:	KMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
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	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3676-WB	Analyzed:	10-17-06 11:07
Matrix:	Aqueous	Analyst:	KMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	sec-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	107 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	102 %	70 - 130 %
Toluene-d_8	10	11	112 %	70 - 130 %
4-Bromofluorobenzene	10	10	104 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2290-WL	Analyzed:	10-18-06 07:25	Analyzed:	10-18-06 07:55
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	10	101 %	10	10	102 %	0 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.6	96 %	10	9.5	95 %	0 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
74-83-9	Bromomethane	10	10	105 %	10	11	105 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	11	110 %	10	11	110 %	0 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9.8	98 %	10	9.9	99 %	0 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	18	90 %	20	18	91 %	1 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	102 %	10	10	102 %	1 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	18	88 %	20	18	88 %	0 %	70 - 130 %	25%
67-64-1	Acetone	20	25	124 %	20	24	118 %	5 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	18	91 %	20	18	91 %	0 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	11	105 %	10	10	104 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	10	101 %	10	10	101 %	1 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	11	114 %	10	11	113 %	1 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	10	100 %	10	10	102 %	2 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	19	93 %	20	19	94 %	2 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	10	102 %	10	10	102 %	0 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	15	75 %	20	16	80 %	6 %	70 - 130 %	25%
67-66-3	Chloroform	10	10	100 %	10	10	101 %	1 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	105 %	10	10	105 %	0 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	10	104 %	10	10	105 %	1 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	11	106 %	10	11	107 %	1 %	70 - 130 %	25%
71-43-2	Benzene	10	9.9	99 %	10	10	101 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	105 %	10	11	106 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	10	100 %	10	10	102 %	2 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	10	100 %	10	10	101 %	1 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	105 %	10	11	106 %	1 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	190	94 %	200	200	99 %	6 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	14	72 %	20	15	75 %	4 %	70 - 130 %	25%
108-88-3	Toluene	10	10	102 %	10	10	104 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.7	97 %	10	9.7	97 %	0 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	101 %	10	10	102 %	1 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	100 %	10	10	100 %	0 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	15	73 %	20	14	71 %	3 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	106 %	10	11	108 %	1 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	10	102 %	10	10	105 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.5	95 %	10	9.6	96 %	1 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	105 %	10	11	106 %	1 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	11	108 %	10	11	108 %	1 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	106 %	20	21	105 %	0 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	11	105 %	10	11	105 %	0 %	70 - 130 %	25%
100-42-5	Styrene	10	9.3	93 %	10	9.4	94 %	1 %	70 - 130 %	25%
75-25-2	Bromoform	10	9.9	99 %	10	9.8	98 %	1 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2290-WL	Analyzed:	10-18-06 07:25	Analyzed:	10-18-06 07:55
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	10	102 %	10	10	104 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	11	112 %	10	11	113 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	101 %	10	10	103 %	1 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	103 %	10	10	104 %	1 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	102 %	10	10	103 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	10	103 %	10	11	106 %	3 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	103 %	10	10	104 %	1 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	10	103 %	10	10	104 %	1 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	11	106 %	10	11	107 %	1 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.6	96 %	10	9.6	96 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.9	99 %	10	10	100 %	2 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	10	103 %	10	10	103 %	0 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.9	99 %	10	9.9	99 %	0 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.8	98 %	10	9.8	98 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	9.1	91 %	10	9.3	93 %	2 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	210	106 %	200	220	108 %	2 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	10	101 %	10	10	102 %	0 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	10	101 %	10	10	102 %	1 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	102 %	10	10	104 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	103 %	10	11	108 %	70 - 130 %
Toluene-d_8	10	11	112 %	10	11	114 %	70 - 130 %
4-Bromofluorobenzene	10	10	105 %	10	11	107 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2290-WB	Analyzed:	10-18-06 08:24
Matrix:	Aqueous	Analyst:	LMG

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2290-WB	Analyzed:	10-18-06 08:24
Matrix:	Aqueous	Analyst:	LMG

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	sec-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	106 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	101 %	70 - 130 %
Toluene-d_8	10	11	111 %	70 - 130 %
4-Bromofluorobenzene	10	11	105 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996)
Sample preparation performed by EPA Method 5030B

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

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GROUNDWATER ANALYTICAL

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December 27, 2006

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

8260 B

RW-5D BIO-3
RW-7 CV-1
BIO-1 CV-2
BIO-2

LABORATORY REPORT

Project: **General Chemical/04-E-005**
Lab ID: **102062**
Received: **12-12-06**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/jll
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: General Chemical/04-E-005
Client: WEB Engineering
Lab ID: 102062

Delivery: GWA Courier
Airbill: n/a
Lab Receipt: 12-12-06

Temperature: 5.0°C
Chain of Custody: Present
Custody Seal(s): n/a

Lab ID	Field ID		Matrix	Sampled	Method			Notes
102062-1	RW-5D		Aqueous	12/7/06 12:10	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C896840	40 mL VOA Vial	Proline	BX23329	HCl	R-4913G	09-14-06	n/a	
C896803	40 mL VOA Vial	Proline	BX23329	HCl	R-4913G	09-14-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
102062-2	RW-7		Aqueous	12/7/06 12:20	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C741224	40 mL VOA Vial	Proline	BX19631	HCl	R-4601F	01-18-06	n/a	
C741223	40 mL VOA Vial	Proline	BX19631	HCl	R-4601F	01-18-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
102062-3	BIO-1		Aqueous	12/7/06 12:30	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711131	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711110	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
102062-4	BIO-2		Aqueous	12/7/06 12:40	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C741222	40 mL VOA Vial	Proline	BX19631	HCl	R-4601F	01-18-06	n/a	
C896848	40 mL VOA Vial	Proline	BX23329	HCl	R-4913G	09-14-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
102062-5	BIO-3		Aqueous	12/7/06 12:50	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C711143	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C896852	40 mL VOA Vial	Proline	BX23329	HCl	R-4913G	09-14-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
102062-6	CV-1		Aqueous	12/7/06 13:00	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C741220	40 mL VOA Vial	Proline	BX19631	HCl	R-4601F	01-18-06	n/a	
C896791	40 mL VOA Vial	Proline	BX23329	HCl	R-4913G	09-14-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
102062-7	CV-2		Aqueous	12/7/06 13:10	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C741217	40 mL VOA Vial	Proline	BX19631	HCl	R-4601F	01-18-06	n/a	
C895839	40 mL VOA Vial	Proline	BX23329	HCl	R-4913G	09-14-06	n/a	

GROUNDWATER ANALYTICAL

Data Certification

Project: **General Chemical/04-E-005** Lab ID: **102062**
Client: **WEB Engineering** Received: **12-12-06 18:30**

MA DEP Compendium of Analytical Methods

Project Location: **n/a** MA DEP RTN: **n/a**

This Form provides certifications for the following data set:

EPA 8260B: 102062-01,-02,-03,-04,-05,-06,-07

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
MCP SW-846 Methods Used	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )

All Compounds in MA DEP Compendium of Analytical Methods required to be reported (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?	n/a

A response to questions E and F below is required for "Presumptive Certainty" status.

E.	Were all QC performance standards and recommendations for the specified methods achieved?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project Narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Position: Operations Manager

Printed Name: Eric H. Jensen Date: 12-27-06

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-5D	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	102062-01	QC Batch ID:	VM4-3733-W
Sampled:	12-07-06 12:10	Instrument ID:	MS-4 HP 6890
Received:	12-12-06 18:30	Sample Volume:	25 mL
Analyzed:	12-15-06 16:36	Dilution Factor:	2000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1000
74-87-3	Chloromethane	BRL		ug/L	1000
75-01-4	Vinyl Chloride	BRL		ug/L	1000
74-83-9	Bromomethane	BRL		ug/L	1000
75-00-3	Chloroethane	BRL		ug/L	1000
75-69-4	Trichlorofluoromethane	BRL		ug/L	1000
60-29-7	Diethyl Ether	BRL		ug/L	4000
75-35-4	1,1-Dichloroethene	3,300		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	25,000		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	1,400		ug/L	1000
594-20-7	2,2-Dichloropropane	BRL		ug/L	1000
156-59-2	*cis*-1,2-Dichloroethene	12,000		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	7,400		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	83,000		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

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	RW-5D	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	102062-01	QC Batch ID:	VM4-3733-W
Sampled:	12-07-06 12:10	Instrument ID:	MS-4 HP 6890
Received:	12-12-06 18:30	Sample Volume:	25 mL
Analyzed:	12-15-06 16:36	Dilution Factor:	2000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1000
75-25-2	Bromoform	BRL		ug/L	1000
98-82-8	Isopropylbenzene	BRL		ug/L	1000
108-86-1	Bromobenzene	BRL		ug/L	1000
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1000
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1000
103-65-1	*n*-Propylbenzene	BRL		ug/L	1000
95-49-8	2-Chlorotoluene	BRL		ug/L	1000
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1000
106-43-4	4-Chlorotoluene	BRL		ug/L	1000
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1000
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1000
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1000
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1000
99-87-6	4-Isopropyltoluene	BRL		ug/L	1000
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1000
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1000
104-51-8	*n*-Butylbenzene	BRL		ug/L	1000
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1000
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1000
87-68-3	Hexachlorobutadiene	BRL		ug/L	1000
91-20-3	Naphthalene	BRL		ug/L	1000
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1000
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1000
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1000
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1000

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	94 %	70 - 130 %
Toluene-d_8	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	10	9.1	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-7	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 ml. VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	102062-02	QC Batch ID:	VM4-3733-W
Sampled:	12-07-06 12:20	Instrument ID:	MS-4 HP 6890
Received:	12-12-06 18:30	Sample Volume:	25 ml.
Analyzed:	12-15-06 17:05	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	100		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	BRL		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	1 600		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	810		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	2 300		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	5,000		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	RW-7	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	102062-02	QC Batch ID:	VM4-3733-W
Sampled:	12-07-06 12:20	Instrument ID:	MS-4 HP 6890
Received:	12-12-06 18:30	Sample Volume:	25 mL
Analyzed:	12-15-06 17:05	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	9.9	99 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	11	108 %	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 3260B
Volatile Organics by GC/MS

Field ID:	BIO-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	102062-03	QC Batch ID:	VM4-3733-W
Sampled:	12-07-06 12:30	Instrument ID:	MS-4 HP 6890
Received:	12-12-06 18:30	Sample Volume:	25 mL
Analyzed:	12-15-06 17:35	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	1,100		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	8,600		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	520		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	5,300		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	2,900		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	7,700		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	27,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**102062-03**	QC Batch ID:	**VM4-3733-W**
Sampled:	**12-07-06 12:30**	Instrument ID:	**MS-4 HP 6890**
Received:	**12-12-06 18:30**	Sample Volume:	**25 mL**
Analyzed:	**12-15-06 17:35**	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	9.8	**98** %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**100** %	70 - 130 %
Toluene-d_8	10	11	**108** %	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-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	102062-04	QC Batch ID:	VM4:3733-W
Sampled:	12-07-06 12:40	Instrument ID:	MS-4 HP 6890
Received:	12-12-06 18:30	Sample Volume:	25 mL
Analyzed:	12-15-06 18:05	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	830		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	3,400		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	500		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	5,300		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	2,600		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	7,300		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/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**102062-04**	QC Batch ID:	**VM4-3733-W**
Sampled:	**12-07-06 12:40**	Instrument ID:	**MS-4 HP 6890**
Received:	**12-12-06 18:30**	Sample Volume:	**25 mL**
Analyzed:	**12-15-06 18:05**	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	10	**101** %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	**97** %	70 - 130 %
Toluene-d_8	10	11	**111** %	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:	BIO-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	102062-05	QC Batch ID:	VM4-3733-W
Sampled:	12-07-06 12:50	Instrument ID:	MS-4 HP 6890
Received:	12-12-06 18:30	Sample Volume:	25 mL
Analyzed:	12-15-06 18:35	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	690		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	7,400		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	400		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	4,600		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	2,000		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	5,300		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	19,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	BIO-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	102062-05	QC Batch ID:	VM4-3733-W
Sampled:	12-07-06 12:50	Instrument ID:	MS-4 HP 6890
Received:	12-12-06 18:30	Sample Volume:	25 mL
Analyzed:	12-15-06 18:35	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	10	103 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	100 %	70 - 130 %
Toluene-d_8	10	11	111 %	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:	CV-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	102062-06	QC Batch ID:	VM4-3733-W
Sampled:	12-07-06 13:00	Instrument ID:	MS-4 HP 6890
Received:	12-12-06 18:30	Sample Volume:	25 mL
Analyzed:	12-15-06 19:04	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	670		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	4,400		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	500		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	5,500		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	1,300		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	2,500		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	5,700		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	CV-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	102062-06	QC Batch ID:	VM4-3733-W
Sampled:	12-07-06 13:00	Instrument ID:	MS-4 HP 6890
Received:	12-12-06 18:30	Sample Volume:	25 mL
Analyzed:	12-15-06 19:04	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	10	101 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	11	109 %	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:	CV-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	102062-07	QC Batch ID:	VM4-3733-W
Sampled:	12-07-06 13:10	Instrument ID:	MS-4 HP 6890
Received:	12-12-06 18:30	Sample Volume:	25 mL
Analyzed:	12-15-06 19:34	Dilution Factor:	5
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	2.5
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	61		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	2.5
60-29-7	Diethyl Ether	BRL		ug/L	10
75-35-4	1,1-Dichloroethene	10		ug/L	2.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	25
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	28		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	180		ug/L	2.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	150		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
74-97-5	Bromochloromethane	BRL		ug/L	2.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	BRL		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
74-95-3	Dibromomethane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
123-91-1	1,4-Dioxane	BRL		ug/L	2500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	3		ug/L	2.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	CV-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	102062-07	QC Batch ID:	VM4-3733-W
Sampled:	12-07-06 13:10	Instrument ID:	MS-4 HP 6890
Received:	12-12-06 18:30	Sample Volume:	25 mL
Analyzed:	12-15-06 19:34	Dilution Factor:	5
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
98-82-8	Isopropylbenzene	BRL		ug/L	2.5
108-86-1	Bromobenzene	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	2.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	2.5
95-49-8	2-Chlorotoluene	BRL		ug/L	2.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	2.5
106-43-4	4-Chlorotoluene	BRL		ug/L	2.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	2.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	2.5
135-98-8	sec-Butylbenzene	BRL		ug/L	2.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	2.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	2.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	2.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	2.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	2.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	2.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	2.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	2.5
91-20-3	Naphthalene	BRL		ug/L	2.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	2.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	100
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	2.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	2.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	2.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	101 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	11	108 %	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

Project Narrative

Project:	General Chemical/04-E-005	Lab ID:	102062
Client:	WEB Engineering	Received:	12-12-06 18:30

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Note: Samples 102062-01 through 07. Samples 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

№ 212852

Project Name: GENERAL CHEMICAL	Firm: WEB ENGINEERING
Project Number: 07-E-005	Address: 104 LONGWATER DR.
Sampler Name: M.J. HUDSON	City / State / Zip: NORWELL, MA. 02061
Project Manager: M.J. HUDSON	Telephone: 781-878-7988

INSTRUCTIONS: Use separate line for each container (except replicates).

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Containers	Preservation	Filtered	Analyses
12-1-08	12:10	RW-50	X	X	2 X	X	X	X
	12:20	RW-7	X	X	2 X	X	X	X
	12:30	BIO-1	X	X	2 X	X	X	X
	12:40	BIO-2	X	X	2 X	X	X	X
	12:50	BIO-3	X	X	2 X	X	X	X
	1:00	CV-1	X	X	2 X	X	X	X
	1:10	CV-2	X	X	2 X	X	X	X

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation:
[X] YES [ ] NO MCP Data Certification Forms?
[ ] YES [X] NO MCP Drinking Water Samples Included
(Require collection of contingent duplicate sample. Trip blank are also required if VOA sample collected)
Signature: M.J. Hudson

DATA QUALITY OBJECTIVES

Regulatory Program:
State / Standard / Deliverables
[ ] CT [X] MCP GW-1/S-1 [ ] PWS Form
[ ] ME [ ] MCP GW-2/S-2 [ ] MWRA
[X] MA [ ] NY STARS
[ ] NH [ ] Drinking Water
[ ] NY [ ] Wastewater
[ ] RI [ ] Waste Disposal
[ ] VT [ ] Sludge 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 one per sample batch. Each MS, MSD and Sample Duplicate requires an additional sample aliquot.

Project Specific QC Required: [ ] Sample Duplicate [ ] Matrix Spike [ ] Matrix Spike Duplicate
Selection of QC Sample: [ ] Please use sample

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse hereof.

Relinquished by Sampler: M.J. Hudson	Date: 12-1-08 Time: 9:00	Received by: [illegible] 12/12/08 1022	Receipt Temperature: 5.0
Relinquished by: [illegible]	Date: 12/12/08 Time: 1330	Received by: Jenny Almeida	Container Count: 14
Relinquished by	Date: Time:	Received by Laboratory:	Shipping/Airbill Number:
Method of Shipment: [X] GWA Courier [ ] Express Mail [ ] Federal Express [ ] UPS [ ] Hand			Custody Seal Number:

5 13

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:	VM4-3733-WL	Analyzed:	12-15-06 10:36	Analyzed:	12-15-06 11:06
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	8.1	81 %	10	7.4	74 %	9 %	70 - 130 %	25%
74-87-3	Chloromethane	10	8.5	85 %	10	8	80 %	6 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	8.8	88 %	10	8.2	82 %	6 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.6	96 %	10	9.3	93 %	3 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	101 %	10	9.2	92 %	9 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	8.3	83 %	10	7.3	73 %	13 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	18	91 %	20	17	86 %	6 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	104 %	10	10	101 %	4 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	17	84 %	20	15	77 %	9 %	70 - 130 %	25%
67-64-1	Acetone	20	18	92 %	20	16	79 %	15 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	18	90 %	20	17	83 %	7 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	10	102 %	10	10	103 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	10	103 %	10	9.5	95 %	7 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	10	100 %	10	9.3	93 %	7 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	10	103 %	10	10	100 %	3 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.1	91 %	10	8.8	88 %	3 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	11	108 %	10	10	103 %	5 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	19	93 %	20	16	78 %	18 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	109 %	10	11	107 %	2 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	19	94 %	20	16	79 %	17 %	70 - 130 %	25%
67-66-3	Chloroform	10	10	100 %	10	9.7	97 %	3 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.3	93 %	10	8.9	89 %	4 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.5	95 %	10	9.1	91 %	4 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.3	93 %	10	9	90 %	3 %	70 - 130 %	25%
71-43-2	Benzene	10	10	102 %	10	9.8	98 %	4 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.5	95 %	10	8.9	89 %	7 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.6	96 %	10	9.7	97 %	1 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	9.5	95 %	10	9	90 %	6 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	10	101 %	10	10	102 %	1 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	210	103 %	200	200	98 %	6 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.9	99 %	10	9.5	95 %	4 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	19	94 %	20	17	85 %	10 %	70 - 130 %	25%
108-88-3	Toluene	10	10	101 %	10	9.7	97 %	4 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	11	109 %	10	9.9	99 %	10 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	102 %	10	10	103 %	1 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	101 %	10	9.9	99 %	2 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	20	98 %	20	18	89 %	10 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	110 %	10	11	109 %	1 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	109 %	10	9.8	98 %	11 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	11	105 %	10	11	106 %	0 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	110 %	10	11	109 %	1 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	103 %	10	10	101 %	2 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	22	108 %	20	21	106 %	2 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	11	105 %	10	10	103 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	11	108 %	10	10	105 %	3 %	70 - 130 %	25%
75-25-2	Bromoform	10	10	101 %	10	9.7	97 %	3 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.3	93 %	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:	VM4-3733-WL	Analyzed:	12-15-06 10:36	Analyzed:	12-15-06 11:06
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	10	104 %	10	10	102 %	2 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.2	92 %	10	8.5	85 %	8 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	11	108 %	10	9.9	99 %	9 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	9.3	93 %	10	9.2	92 %	2 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	102 %	10	9.9	99 %	3 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9.9	99 %	10	9.6	96 %	2 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.7	97 %	10	9.7	97 %	0 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9.6	96 %	10	9.3	93 %	3 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	101 %	10	9.8	98 %	3 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	9.5	95 %	10	9.2	92 %	3 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	9.8	98 %	10	9.4	94 %	4 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	100 %	10	9.7	97 %	3 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.9	99 %	10	9.7	97 %	2 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.6	96 %	10	9.3	93 %	4 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	8.6	86 %	10	7.3	73 %	16 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	10	100 %	10	9.6	96 %	4 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.4	94 %	10	9.1	91 %	3 %	70 - 130 %	25%
91-20-3	Naphthalene	10	10	102 %	10	9.3	93 %	9 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	10	103 %	10	9.7	97 %	7 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	150	77 %	200	150	75 %	3 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	8.7	87 %	10	8.4	84 %	3 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	8.5	85 %	10	8.1	81 %	5 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.2	92 %	10	8.6	86 %	7 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	101 %	10	10	102 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	95 %	10	9.9	99 %	70 - 130 %
Toluene-d_8	10	11	109 %	10	11	110 %	70 - 130 %
4-Bromofluorobenzene	10	9.1	91 %	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: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3733-WB**	Analyzed:	**12-15-06 11:35**
Matrix:	**Aqueous**	Analyst:	**KMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: EPA Method 8260B
QC Batch ID: VM4-3733-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 12-15-06 11:35
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	10	**104 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	**93 %**	70 - 130 %
Toluene-d_8	10	11	**107 %**	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

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

APPENDIX C

DISTRIBUTION LIST
FACILITY CORRECTIVE ACTION

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Boston, MA 02108 **[2 copies]**

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Framingham, MA 01702

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Boston, MA 02129

CR Terry Doyle
Exelon
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CR Daryl Beardsley, Groundwater Protection
c/o Sherborn Board of Selectmen
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Sherborn, MA 01770

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Framingham, MA 01701

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119 Leland Street
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Framingham Board of Selectmen
Memorial Building
Framingham, MA 01702

C = Correspondence Only CR = Correspondence & Relevant Reports RHS 1/07

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

April 9, 2007

Mr. Jeffery Chormann
Massachusetts Department of Environmental Protection
One Winter Street
Boston, Massachusetts 02108

RE: Notification of Availability of
Performance Status Report No. 1 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 Performance Status Report No. 1 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

COMMONWEALTH OF MASSACHUSETTS
WILLIAM E. BAIRD
No. 25418
REGISTERED PROFESSIONAL ENGINEER

4/5/07

WEB/JAA/jaa

Enclosure: Performance Status Report No. 1

mw:aisner/GCC/pmr1pl/04e005/04.09.07