



Environment

Submitted to:
Lockheed Martin Corporation
Sarasota, FL

Submitted by:
AECOM
Chelmsford, MA
60267214
September 2012

Remedy Operation Status Report
Former General Electric Site
50 Fordham Road
Wilmington, MA
RTN 3-0518

AECOM Project No: 60267214



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A handwritten signature in black ink, appearing to read "Scott Olson", is positioned above the text "Prepared By: Scott G. Olson, PG".

Prepared By: Scott G. Olson, PG

A handwritten signature in black ink, appearing to read "Elissa Brown", is positioned above the text "Reviewed By: Elissa Brown, LSP".

Reviewed By: Elissa Brown, LSP

A handwritten signature in black ink, appearing to read "Art Taddeo", is positioned above the text "Reviewed By: Art Taddeo".

Reviewed By: Art Taddeo

Contents

1.0 Introduction	1-1
1.1 Site and Surrounding Area Description.....	1-1
1.2 Property History	1-2
1.2.1 Former Property Operations.....	1-2
1.2.2 Regulatory and Remedial Response History	1-4
2.0 Impacted Groundwater (Tank Farm Area)	2-1
2.1 Description of Operation, Maintenance, and/or Monitoring Activities Conducted.....	2-1
2.1.1 Interim Remedial Measure – Tank Farm Area Pump and Treat (1993- 2002).....	2-1
2.1.2 Down-gradient Groundwater Pump and Treat System (2003-2008).....	2-2
2.1.3 Supplemental Treatment with Emulsified Zero-Valent Iron	2-2
2.1.4 Groundwater Monitoring Program	2-3
2.2 Significant Modifications to the Operation, Maintenance, and/or Monitoring Program	2-4
2.3 Performance of Remedial Action	2-4
2.3.1 Groundwater Data Validation	2-5
2.3.2 Groundwater Sampling Results	2-5
2.4 Corrective Measures.....	2-9
3.0 Eastern Parking Lot	3-1
3.1 Description of Operation, Maintenance, and/or Monitoring Activities Conducted.....	3-1
3.1.1 Interim Remedial Measure – Separate Phase Product Recovery.....	3-2
3.1.2 Eastern Parking Lot Excavation.....	3-2
3.1.3 Light Non-Aqueous Phase Liquid Monitoring and Removal Program...	3-3
3.1.4 Groundwater Monitoring Program	3-3
3.2 Significant Modifications to the Operation, Maintenance, and/or Monitoring Program	3-4
3.3 Performance of Remedial Action	3-4
3.3.1 Groundwater Gauging.....	3-4
3.3.2 Groundwater Data Validation	3-4

3.3.3	Groundwater Sampling Results	3-4
3.4	Corrective Measures.....	3-4
4.0	Continuing Operation, Maintenance, and/or Monitoring Activities.....	4-1
4.1	Impacted Groundwater (Tank Farm Area).....	4-1
4.2	Eastern Parking Lot.....	4-1
4.3	Vapor Intrusion.....	4-2
5.0	References	5-2

List of Appendices

Appendix A Tank F Area BWSC Notification, Field Sampling Forms, and PDB Deionized Water Certificate

Appendix B Groundwater Laboratory Analytical Reports and Data Validation Summary

Appendix C EPL Area BWSC Notification and LNAPL Field Form

List of Tables

Table 2-1	2012 Groundwater Sampling Plan
Table 2-2	Groundwater Data Summary – Volatile Organic Compounds
Table 2-3	Groundwater Data Summary – BTEX, MTBE, Naphthalene, VPH, EPH, and PAHs
Table 2-4	Groundwater Data Summary – Arsenic and DHC
Table 3-1	LNAPL Gauging and Removal Data
Table 4-1	Proposed Groundwater Monitoring Plan

List of Figures

Figure 1-1	Site Locus Map
Figure 1-2	Site Plan
Figure 1-3	Local Area Map with Sensitive Receptors
Figure 2-1	Groundwater Contour Map, Deep Overburden – May 2012

List of Acronyms

AECOM	AECOM Technical Services, Inc.
AMETEK	AMETEK Aerospace Products, Inc.
AST	Aboveground Storage Tank
BTEX	sum of benzene, toluene, ethylbenzene and xylene isomers
cis-1,2-DCE	cis-1,2-dichloroethene
Converse	Converse, Inc.
CVOC	chlorinated volatile organic compound
1,1-DCA	1,1-dichloroethane
1,1-DCE	1,1-dichloroethene
DHC	Dehalococcoides
DNAPL	dense non-aqueous phase liquid
EPH	extractable petroleum hydrocarbons
EPL	Eastern Parking Lot
EZVI	emulsified zero-valent iron
FIR	Final Inspection Report
GAC	granular activated carbon
GW-	MassDEP Groundwater applicable standard
LNAPL	light non-aqueous phase liquid
Lockheed Martin	Lockheed Martin Corporation
LTGMP	Long-Term Groundwater Monitoring Program
MassDEP	Massachusetts Department of Environmental Protection
MS/MSD	Matrix spike/Matrix spike duplicate
MCP	Massachusetts Contingency Plan
MTBE	methyl tert butyl ether

OMM	operation, monitoring, and maintenance
PAH	polycyclic aromatic hydrocarbon
PCE	tetrachloroethene/perchloroethylene
PDB	passive diffusion bag
psi	pounds per square inch
PWS	public water supply
RAM	Release Abatement Measure
RAO	Response Action Outcome
RAP	Response Action Plan
RGP	Remediation General Permit
RIP	Remedy Implementation Plan
RMR	Remedial Monitoring Report
ROS	Remedy Operation Status
RTN	Release Tracking Number
SIM	Selective Ion Monitoring
Spectrum	Spectrum Analytical, Inc.
SVE	soil vapor extraction
TCE	trichloroethene/trichloroethylene
TPH	total petroleum hydrocarbons
TRC	TRC Environmental Corporation
µg/L	micrograms per liter
URAM	Utility-Related Abatement Measure
U.S. EPA	United States Environmental Protection Agency
UST	underground storage tanks
VC	vinyl chloride
VOC	volatile organic compound

VPH	volatile petroleum hydrocarbons
WWTF	wastewater treatment facility

1.0 INTRODUCTION

AECOM Technical Services, Inc. (AECOM), serving as the environmental consultant for Lockheed Martin Corporation (Lockheed Martin), has prepared this Status Report to maintain Remedy Operation Status (ROS) for the former GE Facility located at 50 Fordham Road in Wilmington, Massachusetts (the Site). The Site is assigned Release Tracking Number (RTN) 3-0518 and is classified as a Tier IA site with Permit Number 83052.

This Status Report was prepared in accordance with requirements of 310 CMR 40.0890 of the Massachusetts Contingency Plan (MCP). The Status Report documents operation, maintenance, and monitoring activities conducted at the Site from January 2012 through June 2012, in association with the Impacted Groundwater and Eastern Parking Lot operable units, as described in Section 1.2.1 below.

This report is being submitted to the Massachusetts Department of Environmental Protection (MassDEP) via eDEP concurrently with Remedial Monitoring Reports (RMRs) for each operable unit.

1.1 SITE AND SURROUNDING AREA DESCRIPTION

The property is located on a 13 acre parcel east of Fordham Road and north of Concord Street, within an industrial park at 50 Fordham Road, in the towns of Wilmington and North Reading, Massachusetts. The property is at 42° 33' 39.14"N latitude and 71° 8' 9.88"W longitude; the Universal Transverse Mercator coordinates in meters are 324,654 E and 4,714,264 N. The property is identified as Map 91, Parcel 131A on the Wilmington, Massachusetts Assessor's Maps. Fordham Road is located along the western property boundary, with industrial parcels located further to the west of Fordham Road. Commercial and industrial properties are located to the south. Wooded wetlands are located to the east and north. Residential properties are located beyond the wetlands further east and north. A site locus map is provided as **Figure 1-1**.

Three large buildings (designated Buildings 1, 1A, and 2) are situated on the western side of the property; a paved parking area is located on the eastern side of the property; a wastewater treatment facility (WWTF) is located north of the parking area, and a groundwater treatment system shed is located in the southern portion of the property, near Building 1, as illustrated on **Figure 1-2**.

AMETEK Aerospace Products, Inc. (AMETEK) currently occupies Building 2. Buildings 1 and 1A are presently vacant. The Wilmington Realty Trust currently owns the property, with the Town of Wilmington, Massachusetts Assessor's property card, showing the owner of record as Rosemarie Stanieich.

The property is located within an Interim Wellhead Protection Area for the inactive North Reading Stickney public water supply (PWS) well and the Zone IIs for nine emergency backup PWS wells in Reading (Revay Well #1, Well #2, Well #3, B Line Well, Town Forest, Well # 82-20, Well # 66-8, Well #13, and Well #15). The Town of Reading has discontinued use of the Town Forest Wells and dismantled the water treatment facility there but the wells are still listed as backup water supplies. Mapped MassDEP wetlands and surface water bodies are collocated in the eastern portion of the property. No other sensitive receptors exist on the property. The "Site" designation for MassDEP-required response actions consists of the 50 Fordham Road property but the entire study area also includes the off-property wetlands area to the east. A formal delineation of the "Site" boundaries under the MCP has not been defined as of yet. A map detailing the sensitive receptors in the area is provided as **Figure 1-3**.

1.2 PROPERTY HISTORY

1.2.1 Former Property Operations

Prior to 1968, the property was used for gravel mining. Development of the property occurred between 1968 and 1970. The buildings on the property were used for manufacturing and supporting research and development by the GE Aerospace Instruments Control Systems Department from the time they were built in 1970 through August 1989. A portion of Building 2 was subleased to Converse, Inc. (Converse), a sports shoe manufacturer, from 1973 to 1986, and a portion of Building 1A was subleased to Hamilton Standard, a manufacturer of hydrogen generators, from 1983 to 1985. In August 1989, GE's operations at the facility were sold to AMETEK.

Martin Marietta Corporation acquired GE Aerospace on April 2, 1993. On March 15, 1995, Lockheed Corporation and Martin Marietta Corporation merged, forming Lockheed Martin Corporation. General Scanning was a tenant in Building 2 until 2008. AMETEK was a tenant in Buildings 1, 1A, and 3, until 2009, when the company moved to Building 2.

From 1969 through June 1987, four underground storage tanks (USTs); Tanks D, G, H and I, referred to as the Tank Farm, were located between Buildings 1 and 3 (see **Figure 1-2**). These tanks were located over a shallow bedrock area, such that some of the bedrock had to be removed to install the tanks. Tank D was a 10,000-gallon “waste fuel” tank receiving waste fuel and oil, thinners, and solvents from the facility. Tank G was a 10,000-gallon capacity tank for storing jet fuel and oil (also known as Stoddard fuel or Stoddard solvent). Tank H had a capacity of 1,000 gallons and contained JP-4 jet fuel. Tank I was a 500-gallon tank for storing methanol. According to GE personnel, Tank D did not receive any waste fluids after 1979; although it was available as a contingency to accept liquid if any overflow occurred from aboveground tanks in the Oil House (formerly referred to by GE as the Regulated Substance Storage Building). Tanks G and H were drained of their contents in 1979 and were reportedly not used again. The four tanks in the former Tank Farm were removed in June 1987.

Liquid acid and caustic wastes from a former metal finishing room drained into a UST (Tank F) located southwest of Building 1. Tank F replaced an older butyl rubber-lined open-top steel tank, which was taken out of service in 1981 and removed from the Property in June 1987. Tank F was taken out of service before the summer of 1988 and was removed in February 1990. A series of historical drawings provided by the current property owner were reviewed by the new Licensed Site Professional (LSP) under direction of the Potentially Responsible Party (PRP), Lockheed Martin Corporation. This review uncovered a new finding of a trichloroethylene (TCE) aboveground storage tank (estimated approximately 275 gallon capacity) that was formerly present in this same metals finishing room as part of the GE operations. The existence of this tank was identified based on a historical GE site plan (former location referenced on **Figure 1-2**). No detailed information regarding this tank is available.

Chemical liquid wastes generated by Hamilton Standard’s “Direct Energy Conversion Operation,” GE’s former sub lessee, discharged into a 5,000-gallon UST (referred to as Tank J) east of Building 1A; this UST was reported to have been taken out of service in 1981 and removed in 1987. GE’s former sub lessee, Converse, installed a 5,000-gallon gasoline UST (referred to herein as Tank K) east of Building 2 and a blow-down tank associated with the steam curing of rubber (Tank L) north of Building 2. Converse removed both tanks in 1986 before vacating the Property. Chemical wastes from sinks in the Liquid Crystal Division Laboratory, Materials Destruction Laboratory, and Liquid

Crystal Division Clean Room flowed into Tank E, an underground butyl rubber-lined, open-top steel tank. Tank E was installed in 1981 and was located east of Building 1A, below the ground surface in a concrete secondary containment vault. Tank E was removed in December 1992.

The facility discharges sanitary wastewater to an on-property WWTF (operated by AMETEK) north of the main facility. Storm water runoff and non-contact cooling waters are discharged into two drain lines extending under the parking area and leading to a drainage ditch/wetlands near the eastern edge of the property. The discharge is routed to two outfalls (designated Outfalls 001 and 002).

1.2.2 Regulatory and Remedial Response History

1.2.2.1 Release Tracking Number 3-0518

Analytical data have shown that six primary types of organic and inorganic compounds are associated with RTN 3-0518. These include chlorinated volatile organic compounds (CVOCs), total petroleum hydrocarbons (TPH), BTEX compounds (sum of benzene, toluene, ethylbenzene and xylene isomers), methyl tert butyl ether (MTBE), several metals, and light non-aqueous phase liquid (LNAPL) identified as Stoddard fuel (solvent). The property was divided into four separate Operable Units as follows:

1. Eastern Parking Lot: localized occurrence of trace amounts of LNAPL (Stoddard fuel) in soils under the water table, localized areas of TPH-impacted soil, and periodic occurrence of LNAPL between the Tank Farm and Eastern Parking Lot;
2. Impacted Groundwater: CVOCs associated with a release in the Tank Farm area with migration down-gradient;
3. Outfall 001 and 002: possible remnant metals and petroleum hydrocarbons in sediments; and
4. Tank K: gasoline-related BTEX and MTBE compounds in shallow groundwater.

In 1994, MassDEP classified the Site as Tier IA and provided a permit to authorize comprehensive remedial response actions to meet the requirements of the MCP.

The site is one of four MCP Tier IA sites in the Fordham Road and Concord Street portion of the towns of Wilmington and North Reading, Massachusetts. These four sites are part of a single Public

Involvement Plan, dated November 17, 2000. The three other sites include Roadway Express, MSM Industries, and Sterling Supply. On February 22, 2011, TRC (the previous environmental consultant/LSP) notified the site's Public Involvement mailing list participants that the Public Involvement Plan was no longer considered active. Nevertheless, Lockheed Martin and its contractors intend to continue communications as site activities are developed and implemented.

While each of the four Operable Units at the property was addressed under separate MCP response actions between 2000 and 2006, a ROS Opinion was submitted for the entirety of RTN 3-0518 in April 2006. Since that time, semi-annual (July-December and January-June) Status Reports to Maintain ROS have been submitted to MassDEP.

On January 9, 2012, a Tier 1 Major Permit Modification to transfer the Tier IA Permit from TRC Environmental Corporation (TRC) to Lockheed Martin was submitted to MassDEP. This application was presumptively approved on or about February 15, 2012. On January 27, 2012, a Transfer of Persons Maintaining an ROS submittal, which transferred ROS responsibilities for the site from TRC to Lockheed Martin, was submitted to MassDEP.

On March 29, 2012, a Release Abatement Measure (RAM) Completion Report was submitted by Tetra Tech, Inc. for the demolition of Building 3 and associated excavation and off-site disposal of contaminated soil. On March 30, 2012, a ROS Status Report was submitted by Lockheed Martin for work conducted between July 2011 and December 2011, under the signature of an LSP from CDM Smith. On May 30, 2012, a Tier 1 Minor Permit Modification was submitted to change the LSP-of-Record to Elissa J. Brown, AECOM.

Groundwater sampling results from 2008 identified total arsenic concentrations in excess of the arsenic RCGW-1 Reportable Concentration collected from four wells. On January 8, 2009, notification of this 120 day Reporting Condition was provided to MassDEP. In response, MassDEP issued a Notice of Responsibility to Lockheed Martin on February 26, 2009, and issued RTN 3-28282 to the condition. RTN-3-28282 was linked to the existing RTN 3-0518 on March 30, 2012. All response actions for this issue will be addressed under RTN 3-0518 going forward.

Below is a summary of response actions conducted at each of the four Operable Units.

1. Eastern Parking Lot

A Phase IV Remedy Implementation Plan (RIP) for soil excavation and disposal in the Eastern Parking Lot immediately down-gradient from the Tank Farm area was submitted to MassDEP on July 7, 2000, and was approved on August 31, 2000.

Soil excavation and disposal were conducted in the fall of 2000. Post-excavation confirmatory sampling results showed that the MCP Method 1 S-1/GW-1 standards were achieved for petroleum hydrocarbons. However, during excavation, small amounts of free-phase Stoddard fuel were observed to enter the excavation from the bedrock fractures on the side of the excavation closest to Building 1. This product seeped into the excavation and was subsequently removed, but it was unclear if similar product movement would occur in the future and possibly re-contaminate the remediated section of the Eastern Parking Lot. Therefore, TRC installed two culvert wells in the area closest to where the product was detected. These wells are used as Stoddard fuel monitoring wells and recovery wells.

A Phase IV As-Built and Final Inspection Report (FIR) for the soil excavation/disposal was submitted on January 19, 2001, and was approved by MassDEP on March 29, 2001. In addition, to close out administrative issues set forth in the original Tier IA permit, an Interim Measure Completion Report for the Eastern Parking Lot was submitted on January 22, 2001.

The Eastern Parking Lot Operable Unit response status was in Phase V Operation, Monitoring, and Maintenance (OMM) from 2001 until the ROS Opinion submittal in April 2006 based on the continued presence of free product in this area. Groundwater gauging in this area occurs semi-annually, and groundwater sampling continues on a biennial basis for wells in the vicinity of the Stoddard fuel release area. When product thicknesses are greater than 0.03 feet, manual product recovery from impacted wells is conducted. No active groundwater remediation was performed for petroleum-related contamination.

A RAM Plan and RAM Plan Addendum were submitted to MassDEP in June and August 2011, respectively, which established the procedures to be used for the management of contaminated soils, water, and building materials during demolition of Building 3 and the Oil House. This effort was proposed to eliminate a potential indoor air exposure pathway that had been identified. In addition to the demolition and removal of Building 3 and the Oil House, a total of approximately 617 tons of

impacted soil and concrete was removed as part of these RAM activities. A RAM Status Report was submitted for this work in October 2011. Site activities were completed in November 2011 with the completion of site restoration activities. A RAM Completion Report was submitted in March 2012.

The Building 3 and Oil House demolition work included the relocation of electrical utilities servicing the on-site treatment building and the Eastern Parking Lot lights. The utilities were relocated into a trench excavated to the north and east of Building 3. MassDEP was notified of the intention to manage contaminated soil encountered during trenching activities under a Utility-Related Abatement Measure (URAM) on April 25, 2011. The URAM was assigned RTN 3-29952. Approximately 35 cubic yards of petroleum-impacted soils were removed for off-site disposal associated with the URAM. The URAM Completion Report was submitted on March 19, 2012 to the MassDEP (according to the MassDEP searchable site database).

2. Site Groundwater

A groundwater pump and treat system operated as an Interim Measure in the Tank Farm area from 1993 to 2002 removing volatile organic compounds (VOCs) from the groundwater. A Phase III Response Action Plan (RAP) was submitted to the DEP on October 20, 1993 to formalize several of the Interim Measure remediation systems operating in the Tank Farm and Eastern Parking Lot. Over the course of the intervening years, the RAP was modified based on results of subsequent investigations, agency review and discussions. A Phase III Response Action Plan (RAP) Addendum was submitted to MassDEP on March 22, 2002, which recommended that additional source control measures for groundwater impacted by CVOCs be implemented, given that aquifer-wide remediation in bedrock is technically infeasible. The selected source control remedy consisted of a groundwater pump and treat system using well TRC-202R, down-gradient of the Tank Farm in the EPL, as the single pumping location. The Phase IV RIP for the groundwater system was submitted to MassDEP on December 1, 2002. The RIP was approved on March 12, 2003. The groundwater pump and treat was installed during the summer of 2003, and a Phase IV As-Built and FIR was submitted to MassDEP on September 11, 2003. This report summarized the installation and startup of the treatment system.

In addition, an *in situ* bedrock bioremediation system was also proposed, if proven feasible. The RAP Addendum recommended that the feasibility of the technology be evaluated using bench- and

pilot-scale tests. MassDEP approved the RAP Addendum on July 12, 2002. Final testing and feasibility evaluations were completed in August 2005. Based on these results, TRC determined that the bioremediation system would not effectively remediate the impacts at that time.

In accordance with 310 CMR 40.0893(6)(b) and with input from MassDEP, the ROS was temporarily suspended on May 25, 2007 to evaluate additional remedial technologies that were not previously considered, to select a revised remedial action alternative, and to implement the alternative. A Phase III RAP Addendum II, Modified Phase IV RIP, and Modified Phase IV As-Built and FIR for impacted groundwater were submitted to MassDEP on September 26, 2007. The Modified Phase IV RIP was prepared to present engineering design changes to the remedial alternative previously implemented at the site and documented in the 2003 RIP. The design changes were associated with the application of emulsified zero-valent iron (EZVI), the supplemental source area remedial technology selected in the Phase III RAP Addendum II. Following the submittal of these reports, ROS was resumed.

In September and October 2006, TRC injected 910 gallons of EZVI into bedrock fractures at the grave of the former tank farm between Building 1 and Building 3. By May 2007, gauging of EZVI in the injection wells and nearby wells indicated that additional EZVI was draining into the bedrock aquifer. The EZVI was observed to be separating into a layer of less-dense vegetable oil on top of remaining EZVI material. In June 2007, all residual EZVI and floating vegetable oil was removed from the bedrock injection wells (IP-12, IP-13, IP-14, and IP-15). The total volume recovered from these wells was approximately 70 gallons, thereby suggesting that over 830 gallons of EZVI were successfully delivered to the original source area.

The groundwater pump and treat system operated in Phase V OMM through the submittal of the ROS Opinion in April 2006. As CVOC levels initially decreased significantly and then stabilized in the treatment area, the system was temporarily shut down in June 2008 to evaluate whether the system had achieved its limits in further reducing contaminant concentrations. This evaluation, along with EZVI monitoring, remains ongoing, and the pump and treat system has not been restarted. Currently groundwater samples are collected from select monitoring wells on a semi-annual, annual, and biennial basis as part of source control and long-term monitoring of the groundwater plume.

3. Outfalls 001 and 002

In December 1998, MassDEP issued a letter requiring that either a quantitative Stage II ecological risk assessment be completed or remediation of contaminated sediments at the site be conducted. In February 1999, Lockheed Martin indicated the desire to proceed with the Stage II ecological risk assessment.

The Scope of Work for the Stage II Ecological Risk Assessment was submitted to MassDEP on January 1, 2002. A final Stage II Ecological Risk Characterization Report and a Phase IV RIP were submitted to MassDEP in January 2004. The remedial plan included the excavation and off-site disposal of the upper 12 inches of impacted wetland soil and sediment in two areas totaling 9,461.5 square feet, with subsequent backfill and restoration.

Remediation activities were conducted in August and September 2004, and restoration activities were completed in October 2004. A summary of these activities was presented in the Phase IV As-Built Construction and Final Inspection Report and Partial Class A Response Action Outcome (RAO) Statement (Permanent Solution), dated December 2004.

Monitoring and reporting was conducted through the fall of 2009 in accordance with the requirements of the United States Environmental Protection Agency (U.S. EPA) Clean Water Act Section 401 Water Quality Certification. The work was completed, and a final status report was submitted to MassDEP for this Operable Unit in December 2009. No additional MCP actions are required at this Operable Unit.

4. Tank K

Tank K was a 5,000-gallon gasoline UST installed east of Building 2 by a former sub lessee to GE. Tank K was removed in 1986. In 1988, a site-wide investigation detected gasoline related compounds in the vicinity of Tank K. In 1989, a soil gas and groundwater investigation at Tank K was completed to refine the boundaries of impact. The results of this investigation were presented in the Phase II CSA prepared by Goldberg-Zoino & Associates, Inc., dated April 1990.

Additional data were gathered in the Tank K area in 1996 by EMCON to further evaluate the extent of impacted soil and groundwater. The field work included the installation of six new soil borings

and two new groundwater wells, a soil vapor extraction pilot test, and an aquifer test. A report documenting field activities and results was submitted to MassDEP in January 1997.

The results of this investigation revealed that the soils above the water table did not exceed the S-1/GW-1 cleanup standards (i.e., unrestricted or residential area soil). Therefore, soil was no longer considered to be a medium of concern in the Tank K Area. Groundwater results indicated that the contaminants of concern (i.e., above cleanup standards) were BTEX and MTBE.

TRC submitted a work plan to MassDEP for a biosparging/soil vapor extraction (SVE) pilot test in October 1999. The plan was approved by MassDEP on November 4, 1999, and the test was conducted between November and December 1999. A Phase III RAP Addendum detailing the results of the test was submitted on January 24, 2000, recommending that a full-scale system be implemented. MassDEP approved the RAP Addendum on June 9, 2000.

The Phase IV RIP for the Tank K system was submitted to MassDEP on July 25, 2000. A system modification that increased the depth of air injection from 5 feet below the water table to 10 feet below the water table was submitted to MassDEP on September 19, 2000. The RIP was approved on October 31, 2000. The system was installed during the winter of 2000-2001, and a Phase IV As-Built and FIR was submitted to MassDEP on March 20, 2001. This report was approved by MassDEP on June 11, 2001.

The Tank K system was started up in February 2001. In 2005, the system was put on a rotating, cycling schedule in an attempt to disrupt established airflow pathways and re-direct air channeling that may have formed since system startup.

In February 2007, the Tank K cycling schedule was temporarily suspended to allow the groundwater system to equilibrate. The system was temporarily suspended in order to collect groundwater samples to evaluate if groundwater was nutrient deficient and therefore limiting biodegradation. A nutrient deficiency was suspected based on concentrations that had stabilized slightly above GW-1 standards. Water quality data collected indicated that the groundwater was nutrient deficient in nitrogen, phosphorus, and potassium. It was determined that a nitrogen-phosphorus-potassium supplement of 100-10-1 could be beneficial to optimize the biodegradation activity in the impacted

areas. A nutrient supplement plan was developed and completed monthly for a period of six months beginning in June 2007.

Following the initial nutrient addition, the Tank K Biosparging/SVE venting operation resumed in July 2007. System cycling was re-initiated in November 2007 and continued through the end of June 2008.

On June 30, 2008, the system was placed in shutdown mode to assess groundwater conditions in accordance with the MCP under 310 CMR 40.0893(6)(d). Following the November 2008 groundwater sampling event, it was determined that the Tank K system had achieved its operational goal, and performance monitoring ceased at that time.

Post remedial soil and groundwater samples were collected to assess the efficacy of the remediation. Soil samples were collected in May 2009, and groundwater samples were collected in June, September, and December 2009 and March and April 2010. Analytical results from all soil and groundwater samples collected during these events were below applicable MCP Method 1 Standards.

A Partial Class A-2 RAO (Permanent Solution) was filed for the Tank K Area in November 2010. This report documented that the Tank K Area does not pose a significant risk of harm to human health, safety, public welfare, or the environment under current property uses; and that the source of petroleum to soil and groundwater has been removed, and residual petroleum constituents detected in soil and groundwater have been shown to be limited in extent and decreasing in magnitude.

1.2.2.2 Release Tracking Number 3-28282

In November 2007, groundwater sampling and analysis for emerging contaminants was conducted at the site at the request of Lockheed Martin. Sample results from the November 2007 sampling event were transmitted to Lockheed Martin in a TRC report in September 2008. These results identified total arsenic concentrations in excess of the arsenic RCGW-1 Reportable Concentration in groundwater samples collected from four wells (GZA-10, GZA-103R1, WE-09, and TRC-102) at a maximum concentration of 84.4 micrograms per liter (ug/L), which constitutes a 120 day Reporting Condition under the MCP. The groundwater collected from these four wells also exhibited mildly reducing groundwater chemistry, with redox potentials ranging from +3.9 to -83.5 millivolts. These

four wells are located in areas with historical petroleum hydrocarbon contamination from gasoline, Stoddard fuel, and petroleum derived solvents.

On January 8, 2009, notification of this 120 day Reporting Condition was provided to MassDEP. In response, MassDEP issued a Notice of Responsibility to Lockheed Martin on February 26, 2009, and issued RTN 3-28282 to the condition.

In December 2009, groundwater samples were collected as part of a Phase I investigation. On January 8, 2010, the Numerical Ranking Score sheet identifying this RTN as a Tier IC site, the Tier IC Permit Application, the Phase I Initial Site Investigation Report and Completion Statement, and the Phase II Scope of Work were submitted to MassDEP.

Phase II groundwater, sediment, and surface water sampling were conducted between December 2010 and November 2011. An Interim Phase II Comprehensive Site Assessment was submitted on January 7, 2012 for this release. RTN-3-28282 was linked to the existing RTN 3-0518 on March 30, 2012.

2.0 IMPACTED GROUNDWATER (TANK FARM AREA)

2.1 DESCRIPTION OF OPERATION, MAINTENANCE, AND/OR MONITORING ACTIVITIES CONDUCTED

The Tank Farm OMM program is performed in accordance with the Phase IV RIP – Groundwater, dated November 2002 (as revised December 2002) and the Phase III RAP Addendum II, Modified Phase IV RIP, and Phase IV As-Build Construction and FIR dated September 2007.

Source removal and remediation conducted for impacted groundwater at the site includes:

- The four USTs at the Tank Farm (Tank D, a 10,000-gallon “waste fuel” tank which received waste fuel and oil, thinners, and solvents from the facility; Tank G, a 10,000-gallon tank used for storing jet fuel and oil [also known as Stoddard fuel or Stoddard solvent]; Tank H a 1,000- gallon tank used for storing JP-4 jet fuel; and Tank I a 500-gallon tank used for storing methanol) were removed in 1987.
- Groundwater pump and treat at the tank grave of the Tank Farm Area was conducted between 1993 and 2002.
- Groundwater pump and treat was conducted down-gradient of the Tank Farm Area between 2003 and 2008, at which point the treatment system was temporarily shut down to evaluate whether the system has achieved its limits in further reducing contaminant concentrations.
- EZVI was added to the fractured bedrock at the Tank Farm Area in 2006.

In addition to the above, groundwater quality is monitored at the Tank Farm Area on a periodic basis. The response actions, including pump and treat, addition of EZVI to groundwater, and groundwater monitoring of the Tank Farm Area are discussed in further detail below.

2.1.1 Interim Remedial Measure – Tank Farm Area Pump and Treat (1993-2002)

The Tank Farm Area groundwater, pump and treat system Interim Measure was operated between 1993 and 2002. The extraction well (TF-1) used to extract groundwater from was located within the Tank Farm Area (**Figure 1-2**). During operation of the treatment system using extraction well TF-1,

approximately 1.9 million gallons of groundwater were treated, and approximately 31 pounds of VOCs were removed from the groundwater.

2.1.2 Down-gradient Groundwater Pump and Treat System (2003-2008)

A separate pump and treat system was installed in 2003 to recover and treat groundwater down-gradient of the Tank Farm Area. The treatment system was started in September 2003 and was operated until June 2008. The system was temporarily shut down on June 30, 2008, in order to evaluate if the remedial goals had been reached.

The treatment system includes an extraction well (TRC-202R) with a submersible pump set through an inflatable packer to separate deeper groundwater recovery from the upper aquifer. The remainder of the system consists of a low-profile air stripper, a vapor-phase granular activated carbon (GAC) system with two 1,000 pound GAC units, a liquid-phase GAC system with three 330 pound GAC units, and associated gauges, controls, and alarms. Effluent water is discharged to an on-site storm drain system under a U.S. EPA Remediation General Permit (RGP) authorization for the system.

During operation, approximately 4.3 million gallons of groundwater were treated, and approximately 159 pounds of VOCs were removed from the groundwater.

2.1.3 Supplemental Treatment with Emulsified Zero-Valent Iron

EZVI is an emulsion of powdered zero-valent iron, food-grade surfactant, biodegradable vegetable oil, and water, which is purported to be capable of reductively dechlorinating CVOCs in dense non-aqueous phase liquids (DNAPLs) and dissolved phase plumes. Because EZVI has a hydrophobic portion to it, it is expected to be miscible with DNAPLs present in the subsurface. Once the EZVI mixes with the DNAPL plume, the zero-valent iron inside the emulsion serves to promote abiotic reductive dechlorination. In addition, the vegetable oil and surfactant in EZVI operate as electron donors, which promote anaerobic biodegradation in the long-term.

In 2006, over 830 gallons of EZVI were injected directly into bedrock fractures and into the overburden-bedrock interface within the Tank Farm Area, which is thought to have DNAPL based on the conceptual site model, as provided in the Phase III Addendum II report. The expectation was that the injected EZVI would sink within the bedrock fractures. Once in the fractures, the EZVI was

expected to come into contact with and destroy any remaining CVOCs via abiotic reductive dechlorination.

2.1.4 Groundwater Monitoring Program

A groundwater monitoring program is conducted at the site to assess groundwater conditions with respect to the impacts at the Tank Farm Area. Wells gauged or sampled in conjunction with this program in the first half of 2012 for monitoring the plume are noted in **Table 2-1**, identified under both the Source Control and Long-Term Groundwater Monitoring Program (LTGMP) headings. Currently, groundwater samples are collected from select well locations semi-annually or annually (see **Table 2-1** for schedule at each well), as part of source control monitoring and long term groundwater monitoring.

Initially certain wells were to be sampled using passive diffusion bag (PDB) samplers while others were to be sampled using low-flow methods with a peristaltic pump (PP). Recent (annual) sampling events included other parameters (i.e., arsenic, *Dehalococcoides*, 1,4-dioxane) that cannot be sampled by PDB methods. To ensure consistency with previous sampling, and to confirm that changing from PDB methods would not affect sampling results, the wells monitored during the May 2012 semi-annual event were sampled using both PDB and low flow/PP methods (for VOCs only) for comparison. Based on the results of this investigation, the use of PDB samplers was discontinued. Future sampling will be performed using low flow/PP methods.

The samples collected using PDB samplers were deployed a minimum of two weeks prior to sampling. The samples collected via peristaltic pump were in accordance with U.S. EPA Region 1 Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells (Rev. 3, 2010). At wells that did not yield enough water to conduct low flow sampling, a limited purge method was used to prevent the cascading of water into the well which can cause the off-gassing of VOCs. In these cases, the sample tubing intake was placed within the approximate center of the saturated screened interval, one tubing volume of water was then purged at very low flow, and subsequently the sample was collected.

Water levels were measured prior to purging and the resulting groundwater elevations were then contoured. The deep overburden groundwater contours from the May 2012 sampling event are

provided in **Figure 2-1**. The groundwater flow direction in the deep overburden is to the east-southeast. This flow direction is consistent with historical groundwater flow directions for this zone.

Samples were submitted to Spectrum Analytical, Inc. (Spectrum) for laboratory analysis of total and dissolved arsenic via Method 6010C, 1,4-dioxane via Method 8270C, Selective Ion Monitoring (SIM), and VOCs via Method 8260C. In addition, samples were submitted to Microbial Insights, Inc. for laboratory analysis of *Dehalococcoides* (qDHC).

2.2 SIGNIFICANT MODIFICATIONS TO THE OPERATION, MAINTENANCE, AND/OR MONITORING PROGRAM

During this reporting period, no modifications were made to the current OMM program.

2.3 PERFORMANCE OF REMEDIAL ACTION

A physical evaluation of the existing groundwater treatment system was conducted during site visits on May 29, 31, and June 21, 2012. Inspection of the system indicated that should the system be required for continuous operation, some maintenance would be required. The system is temporarily shut down in order to evaluate groundwater conditions in the immediate area. A Remedial Monitoring Report will be submitted to MassDEP concurrent with this report to document the system's operational status.

During this reporting period, groundwater samples were collected for laboratory analysis at the site by AECOM on May 14, 31 and June 18, 2012, from the following monitoring wells: EMW-10D, EMW-11D, PS-1D, and GZA-105D. BWSC Notification and field sampling forms are included in **Appendix A**. PDB samplers were deployed into wells GZA-105D, EMW-10D, and EMW11D. Well PS-1D did not receive a PDB due to its narrow inner diameter (0.62 inches). Deionized water pre-filled PDBs provided by Columbia Analytical Services (CAS) were deployed. The laboratory certificate of analysis for the deionized water is included in **Appendix A**. The PDBs were allowed to equilibrate in the wells for 17 days from May 14 to 31, 2012.

On June 15, 2012, Spectrum notified AECOM that one of the samples that they had subcontracted to their Rhode Island branch for low level testing of 1,4-dioxane (Method 8270C, SIM) had not been forwarded. The result was that when the error was noted, the sample (designated SB50231-05 for field sample 12A-EMW-10D-1) was outside of its holding time. Arrangements were made with the

laboratory to analyze a replacement sample from this well under rush turnaround conditions. On June 18, 2012 AECOM re-sampled well EMW-10D for 1,4-dioxane analysis by Method 8270C (SIM). In addition, matrix spike (MS) and matrix spike duplicate (MSD) samples were also obtained from this well since these were obtained from the original sample on May 31. The samples were delivered to, and receipt confirmed by, Spectrum on June 19, 2012. Laboratory analytical reports from the May 2012 event are included in **Appendix B**.

2.3.1 Groundwater Data Validation

The VOC, 1,4-dioxane, and arsenic data was validated and is discussed in detail in a Data Validation Summary Memorandum (**Appendix B**). As the microbial analyses are considered engineering type processes without standards, the tests were not validated. The chemical data appeared valid as reported and may be used for decision-making purposes. Data was evaluated and all were accepted, with minor data qualifiers, which are noted in **Tables 2-2, 2-3, and 2-4**. It was noted during validation that laboratory reporting limits for four compounds (1,2-dibromoethane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, and tetrahydrofuran) exceeded the project's action limits presented in AECOM's *Final Quality Assurance Procedures for May 2012 ROS Groundwater Sampling* document (May 12, 2012). None of these compounds have been shown to be compounds of concern for this site. The MassDEP Analytical Protocol Certification Form was reviewed and indicates that the data met the requirements for "Presumptive Certainty" status and are therefore compliant with the applicable MADEP Compendium of Analytical Methods (CAM) performance standards. .

2.3.2 Groundwater Sampling Results

Volatile Organic Compounds

During this reporting period, four groundwater samples and two field duplicate samples collected in May 2012 were analyzed for VOCs. Summaries of VOC data are included in **Table 2-2** and **Table 2-3** along with historical groundwater data from all wells monitored. VOCs were detected in all samples collected during this event.

In comparing the results between the low-flow/peristaltic pump sampling and the PDB sampling methods, there appeared to be general agreement with all CVOC compounds when the concentrations were at 45 ug/L or less. However, a significant difference was noted between the two

sampling methods where concentrations of perchloroethene, trichloroethene, cis 1,2-dichloroethene (PCE, TCE, cis-DCE, respectively), and vinyl chloride (VC) were elevated above 800 ug/L. The results of this comparison are not clear, since only one well showed concentration differences for four CVOCs, and several of the low-level compounds were actually higher in the low-flow/peristaltic sampling condition (see **Table 2-2**). Regardless, it was determined that as a more conservative approach that would ensure compliance with MassDEP CAM, low-flow/peristaltic sampling methods would be preferable for future groundwater analysis.

Chlorinated VOCs exceeded MassDEP applicable groundwater (GW) standards for the following conditions:

- PCE) and TCE concentrations at well PS-1D located in the wetland exceeded MassDEP's GW-1 standard,
- PCE, TCE, cis-DCE, 1,1-dichloroethene (1,1-DCE), and VC concentrations at well GZA-105D in the EPL area exceeded MassDEP's GW-1 standard; this well also had the highest PID screening results from the well casing headspace,
- PCE and TCE concentrations at well EMW-10D in the EPL area exceeded MassDEP's GW-1 standard,
- PCE, TCE, and VC concentrations at well EMW-11D in the EPL area exceeded MassDEP's GW-1 standard.

As none of these wells are located within 30 feet of a building, the GW-2 standard does not apply. No results exceed GW-3 standards.

Total and Dissolved Arsenic

Arsenic was analyzed for total and dissolved conditions. Samples were filtered in the field to yield dissolved conditions. The results are shown in **Table 2-4**. Dissolved results were essentially the same as the total (unfiltered) results. Dissolved samples (filtered) were compared to applicable MassDEP groundwater standards, except for the well (PS-1D) collected directly in the wetlands, where human receptors would not likely be situated. Dissolved arsenic concentrations exceeded the GW-1 standard in wells GZA-105D, EMW-10D, and EMW-11, but were less than the GW-3 standard.. Neither the GW-1 nor the GW-3 standard was exceeded for well PS-1D.

1,4-Dioxane

Concentrations of 1,4-dioxane were not detected in any of the wells sampled (**Table 2-2**), at the low detection limits obtained using the SIM method of 0.2 ug/L, with the exception of well GZA-105D. For the samples that were not detected, the detection limit concentration is below all MassDEP GW-1, GW-2, and GW-3 standards. The detected concentrations in well GZA-105D were also below the applicable MassDEP groundwater standards.

Enhanced and Natural Attenuation Assessment

Groundwater samples for the analysis of attenuation assessment parameters (carbon dioxide, chloride, ethane, ethene, nitrate nitrogen, nitrite nitrogen, sulfate, sulfide, TOC, methane, total iron, ferrous iron, and ferric iron) were not collected during the May sampling event. The next sampling event for these parameters will be November 2012. In May 2012, groundwater samples were analyzed for one attenuation parameter, *Dehalococcoides* (qDHC). An evaluation of attenuation monitoring conducted to date, with respect to CVOCs at the site is presented below.

Background

EZVI was injected into four injection points (IP-12, IP-13, IP-14, and IP-15) between June and November 2006. The IPs are located between Building 1 and former Building 3, in the Tank Farm Area. Biogeochemical groundwater data were obtained for 10 wells at varying distances down-gradient from these injection wells. Very limited baseline biogeochemical data are available from prior to the EZVI injection, therefore a quantitative determination if or how the EZVI may have altered the groundwater chemistry cannot be made. CVOCs are the groundwater contaminants of concern at this area, and were the target of the EZVI treatment. Groundwater CVOC concentration data were available and reviewed over the period from as early as 1995 for some wells through 2012, both before and after EZVI injection.

Traveling down-gradient from the injection wells, eastward toward the nearby wetlands, the groundwater monitoring locations reviewed for this evaluation were:

- GZA-105D, closest to IP-12 through IP-15 ,
- EMW-10D and EMW-11D,
- PS-1D – the farthest from IP-12 through IP-15

Biogeochemical Data

Generation of strongly reducing groundwater was the initial goal of the EZVI injections, to promote reductive dechlorination of the CVOC contaminants. The following observations may or may not be the result of the EZVI injections. Samples from wells GZA-105D, EMW-10D, EMW-11D, and PS-1D indicate strongly reducing groundwater, as judged by their dissolved oxygen (DO) and oxidation–reduction potential (ORP).

Dehalococcoides bacteria populations were observed to be very low in most wells sampled (**Table 2-4**), with the exception of well GZA-105D where the population was at a moderately low level but approximately two orders of magnitude greater than the other wells. This well also had significant concentrations of CVOCs (including typical degradation products of PCE and TCE degradation, which may be an indicator of a more active degrading population).

CVOC Observations

The groundwater CVOC concentrations are also discussed starting with the farthest up-gradient well, GZA-105D, which are nearest the injection points, and ending with the farthest down-gradient well, PS-1D. Generally the groundwater collected from the wells showed changes in CVOC concentration that were similar for each individual compound. Groundwater collected from GZA-105D displayed the only dramatic decrease in CVOC concentrations following the EZVI injections, a 99% decrease. However, after approximately two years, CVOC concentrations in groundwater samples collected from GZA-105D began to rebound, gradually reaching pre-treatment levels by 2011. Groundwater collected from the farthest down-gradient well, PS-1D, displayed an approximately 50% decrease in CVOC concentrations without later rebound.

In summary, the introduced EZVI may have had a small but not particularly widespread effect in reducing the CVOC contaminant concentrations as observed in the above wells down-gradient from the injection locations. A Remedial Monitoring Report will be submitted to MassDEP concurrent

with the submittal of this report to document the semi-annual status of the groundwater monitoring program.

2.4 CORRECTIVE MEASURES

During this reporting period, regular pressure testing of the inflatable packer present in well TRC-202R was performed to ensure that proper separation of the overburden aquifer from the deeper aquifer remained in place. Due to small leaks observed, fittings were replaced and re-tightened during the reporting period. A leak check following these repairs indicated that the pressure was maintained between 80 and 200 pounds per square inch (psi) as indicated in the Remedy Operation Status Field Manual (TRC, revised November 2011). Regular checks are performed to ensure that the packer pressure is maintained.

3.0 EASTERN PARKING LOT

3.1 DESCRIPTION OF OPERATION, MAINTENANCE, AND/OR MONITORING ACTIVITIES CONDUCTED

The Eastern Parking Lot OMM program is performed in accordance with the Phase IV FIR dated January 2001, and as instructed by the MassDEP Conditional Approval letter for the RIP dated August 2000.

Source removal and remediation conducted at the Eastern Parking Lot to date includes:

- Stoddard solvent drained from Tank G in 1979. Tank subsequently removed in 1987.
- Recovery of LNAPL via an Interim Remedial Measure using an LNAPL recovery system was completed in 1992.
- Excavation and off-site disposal in 2000 of approximately 4,397 tons of contaminated soil. Dewatering, treatment, and discharge of a total of 644,936 gallons of water during soil excavation activities. Deployment of sorbent booms and pads to remove LNAPL from the surface of the groundwater as it entered the soil excavation area.
- LNAPL bailing from PZ-2S micro well, yielding a total of 1.2 gallons of LNAPL.
- Installation of two 6-inch diameter culvert wells (CW-1 and CW-2) and one 4-inch diameter well to replace PZ-2S micro well to facilitate LNAPL removal seeping into the Eastern Parking Lot excavation. Approximately 1,023 gallons of petroleum-impacted groundwater removed from these three wells.

Initial OMM activities at the Eastern Parking Lot, presented in the January 2001 Phase IV As-Built Construction and FIR for the Eastern Parking Lot Area included: monthly gauging of replacement well PZ-2S for LNAPL; monthly vacuum extraction of LNAPL from PZ-2S when LNAPL is present in thicknesses greater than 1/8-inch; gauging of water levels in eight wells annually; and sampling of groundwater from five wells for extractable petroleum hydrocarbons (EPH)/volatile petroleum hydrocarbons (VPH) analysis annually. Though the gauging program was planned to be conducted annually for the wells other than PZ-2S, gauging was initially conducted more frequently, including monthly for a period of time. Currently, LNAPL gauging is conducted semi-annually at

four wells (CW-1, CW-2, TRC-101, and PZ-2S). The other two wells (EMW-11S and TRC-103) were removed from the gauging and sampling program in April 2004, based on four consecutive sampling events between 2000 and 2003 with EPH and VPH concentrations below MCP standards. One well (TRC-101) was removed from the groundwater sampling program in September 2004 because of previous LNAPL contamination in the well. However, this well is still included in the gauging program to monitor for the presence of LNAPL. See Section 3.1.3 for details on current gauging observations.

3.1.1 Interim Remedial Measure – Separate Phase Product Recovery

A recovery system consisting of two recovery wells, one equipped with a belt skimmer and one equipped with a product pump, and a 240 gallon storage tank were operated at the Eastern Parking Lot. Approximately 400 gallons of Stoddard solvent were recovered using this system. The Interim Remedial Measure implemented at the Tank Farm Area, including a groundwater pump and treat system operated between 1993 and 2002, also served to remove 10.1 pounds of BTEX and approximately 190 gallons of separate phase Stoddard solvent. This system no longer operates.

3.1.2 Eastern Parking Lot Excavation

Soil excavation was conducted at the site between October 5 and 26, 2000. During the excavation, groundwater was pumped from the excavation area to depress the water table to facilitate excavation. Initially, groundwater was proposed to be pumped to a 20,000-gallon storage tank to be pumped out and transported for off-site treatment and disposal. However, based on the large volumes of water required to be pumped out of the excavation area, a portable treatment system was staged at the site for extracted groundwater treatment and discharge to an on-site catch basin. A total of 644,936 gallons of groundwater were removed and treated from the excavation area.

A total of 2,482 cubic yards of uncontaminated overburden soils were stockpiled and reused as backfill. A total of approximately 4,397 tons of contaminated soils were direct-loaded from the excavation into covered trucks for transportation to ARC in Eliot, Maine for recycling. These soils were then processed for use as aggregate in the manufacture of asphalt.

Following the removal of several large boulders from the excavation, LNAPL was observed seeping from along the western wall of the excavation at the surface of the depressed water table,

immediately on top of the exposed bedrock. Subsequently, a shallow trench and small berm were constructed at the base of the wall to contain and prevent LNAPL from entering the dewatering system and other exposed areas of the excavation. In addition, sorbent booms and pads were used to remove the LNAPL from the surface of the groundwater as it entered the excavation. The LNAPL seepage dissipated within 24 hours. However, to prevent possible re-contamination of the clean backfill material from LNAPL seepage, two culvert wells, CW-1 and CW-2 were installed during the backfilling of the excavation

3.1.3 Light Non-Aqueous Phase Liquid Monitoring and Removal Program

Following the submittal of the 2001 Phase IV FIR, a program to monitor and remove LNAPL was implemented at the site. Wells gauged annually initially included CW-1, CW-2, TRC-101, TRC-102, TRC-103, EMW-11S, and GZA-105S. Based on lack of EPH and VPH impacts in these, wells EMW-11S and TRC-103 were removed from the monitoring program in April 2004. Wells TRC-102 and GZA-105S were moved in 2007 to a biennial sampling frequency.

Wells CW-1, CW-2, PZ-2S, and TRC-101 are gauged semi-annually using an oil/water interface probe and recorded to the nearest 0.01 foot. If LNAPL gauging data appears anomalous, a bailer is used to confirm the observations recorded with the electronic probe. Depth to groundwater is also measured and recorded in the field records and summary table.

In the past, if LNAPL was detected in PZ-2S at a thickness greater than 1/8-inch, vacuum extraction of LNAPL was conducted. Currently, if LNAPL is detected in any well at a thickness of 0.03 feet or greater, then absorbent wicks are deployed to absorb and remove the LNAPL.

3.1.4 Groundwater Monitoring Program

A groundwater monitoring program has been conducted at the site to assess groundwater conditions with respect to the Stoddard solvent plume in the Eastern Parking Lot. According to the OMM plan defined in the 2001 Phase IV FIR, wells to be sampled on an annual basis in conjunction with this program for monitoring the Stoddard solvent plume were TRC-101, TRC-102, TRC-103, EMW-11S, and GZA-105S.

Wells EMW-11S, TRC-103, and TRC-101 were removed from the groundwater monitoring program in the EPL area. Currently, the only groundwater samples to be collected to address the

Stoddard Solvent plume in the EPL area are from GZA-105S and TRC-102 which are scheduled every other year (next sampled in November 2013), as part of long term groundwater monitoring.

3.2 SIGNIFICANT MODIFICATIONS TO THE OPERATION, MAINTENANCE, AND/OR MONITORING PROGRAM

During this reporting period, no modifications were made to the current OMM program.

3.3 PERFORMANCE OF REMEDIAL ACTION

During this reporting period, select wells (see below) were gauged at the site on May 31, 2012 for LNAPL observations. Groundwater samples were not collected from these wells for laboratory analysis during this period.

3.3.1 Groundwater Gauging

During the gauging event, wells PZ-2S, CW-1, CW-2, and TRC-101 were gauged. Gauging data are presented in **Table 3-1**. A sheen of LNAPL was present in well CW-2. No measureable thickness of LNAPL was detected in any of the four wells gauged. Field records and the BWSC Notification Form are included in **Appendix C**.

No absorbent wicks were deployed, as LNAPL was not detected at thicknesses greater than 0.03 feet.

3.3.2 Groundwater Data Validation

No samples were submitted for laboratory analysis during this period.

3.3.3 Groundwater Sampling Results

No samples related to the EPL area monitoring were submitted for laboratory analysis during this period.

3.4 CORRECTIVE MEASURES

During this reporting period, no corrective measures were implemented for the current OMM program.

4.0 CONTINUING OPERATION, MAINTENANCE, AND/OR MONITORING ACTIVITIES

ROS Status Reports will continue to be submitted to MassDEP every six months to document results of OMM conducted at the site.

4.1 IMPACTED GROUNDWATER (TANK FARM AREA)

Continued shutdown of the groundwater pump and treat system and an evaluation of site groundwater conditions will continue into the next reporting period. If the system is to be restarted, U.S. EPA will be notified at least 14 days prior to the commencement of discharge relative to the RGP. MassDEP will be notified of the system restart in a status report. Conversely, if the decision is made to permanently shut down the system, both U.S. EPA and MassDEP will be notified of the permanent system shutdown via an RGP Notice of Termination and a Termination of ROS, respectively.

A number of bedrock wells remain with relatively high total CVOC concentrations, and while there is an overall decreasing contaminant concentration trend across the site and at off-site monitoring wells, several on-site well locations appear to be static in terms of total CVOCs, and concentrations have rebounded in a few wells. Supplemental source investigations are planned for the next reporting period, including soil gas sampling and advancement/installation of soil borings and wells in the former Tank F area on the southwestern end of Building 1. Groundwater monitoring will be performed on any newly installed wells, and will be incorporated into the annual groundwater sampling program.

Dissolved arsenic at elevated concentrations in some wells is at least partially related to reducing conditions present in the area of petroleum product impacted groundwater. Further assessment of the releases at the site, including the dissolved arsenic and 1,4-dioxane impacts, will be conducted over the next reporting period.

4.2 EASTERN PARKING LOT

Semi-annual LNAPL monitoring will continue during the next reporting period. Absorbent wicks will be deployed if product thickness is measured at 0.03 feet or greater in any of the wells gauged. The next LNAPL gauging event at the EPL is scheduled for November 2012. The next long-term

groundwater sampling event at EPL area is scheduled for November 2012 certain wells, and November 2013 for a more comprehensive monitoring program.

Supplemental source investigations are planned for the next reporting period, including advancement/installation of soil borings and wells in the EPL, former Building 3, and former Tank Farm areas. Groundwater monitoring will be performed on any newly installed wells, and will be incorporated into the annual groundwater sampling program. In order to evaluate any residual LNAPL or petroleum impacts in the up-gradient portion of the EPL, further assessment will also be performed in the next reporting period. The proposed groundwater sampling/gauging program is shown in **Table 4-1**.

4.3 VAPOR INTRUSION

The on-site buildings are currently unoccupied, however Lockheed Martin and AECOM are aware of potential future vapor intrusion issues at the site if the building becomes occupied, and have prepared the following sampling plan to address:

- Collect two rounds of indoor air samples during summer 2012, one with the building air conditioning (AC) and ventilation on and one with the AC off. Collect one round of sub-slab vapor samples in conjunction with the indoor air events.
- Collect one round of indoor air and sub-slab samples during the winter 2013, with the heating and ventilation system on.
- Compare indoor air and soil vapor sample results to MassDEP threshold values contained in MassDEP's Interim Final Vapor Intrusion Guidance (WSC#-11-435) dated December 2011 and summarize potential risks posed by the vapor intrusion pathway.

5.0 REFERENCES

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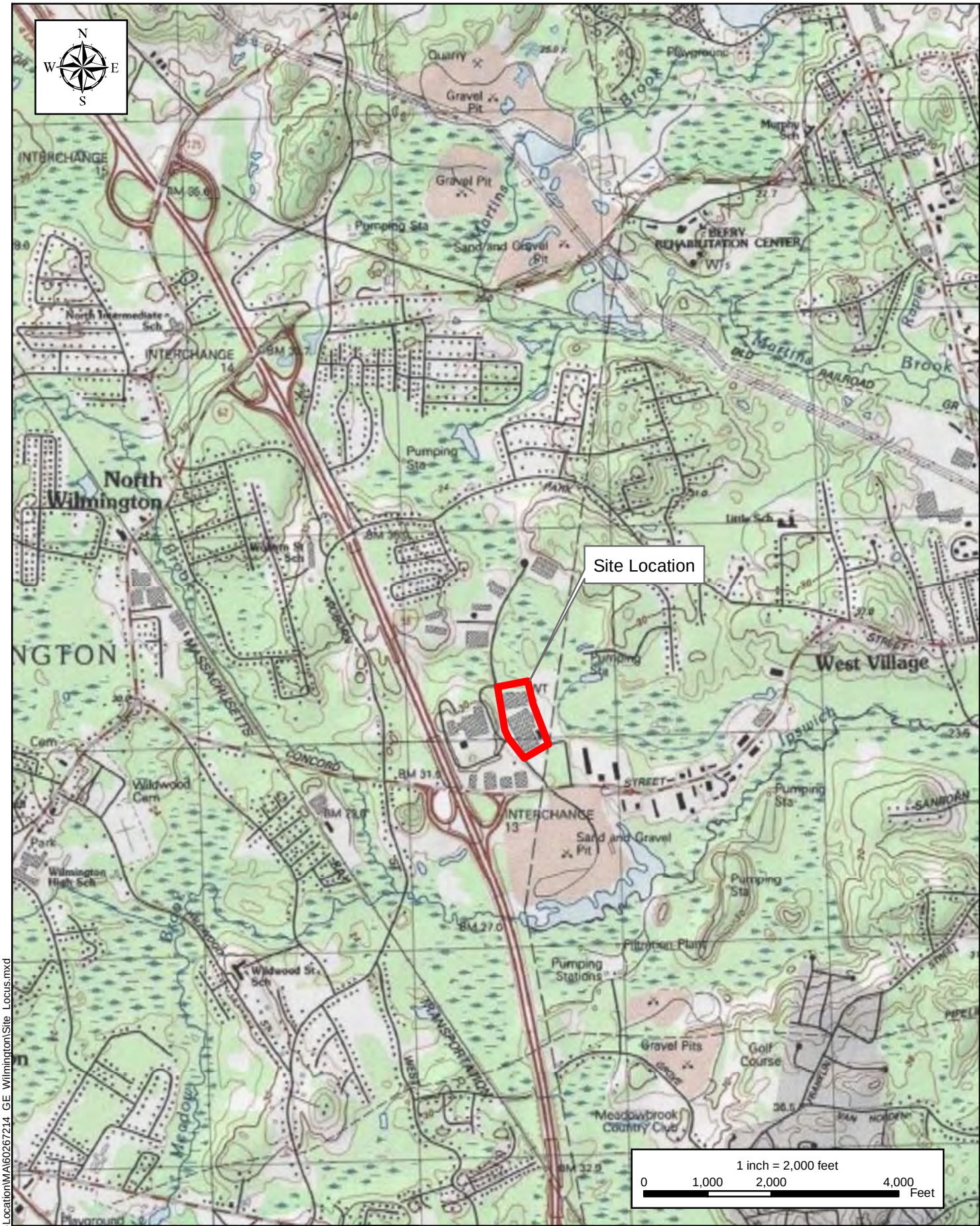
TRC Environmental Corporation. 2000. *Phase III Addendum Report – Supplemental Soil Sampling, Eastern Parking Lot, Former GE Facility, 50 Fordham Road, RTN 3-0518*.

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TRC Environmental Corporation. 2001. *Groundwater Investigation Preliminary Pump Test Results and Mass Flux Calculations, Former General Electric Facility, 50 Fordham Road, RTN 3-0518*.

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Figures



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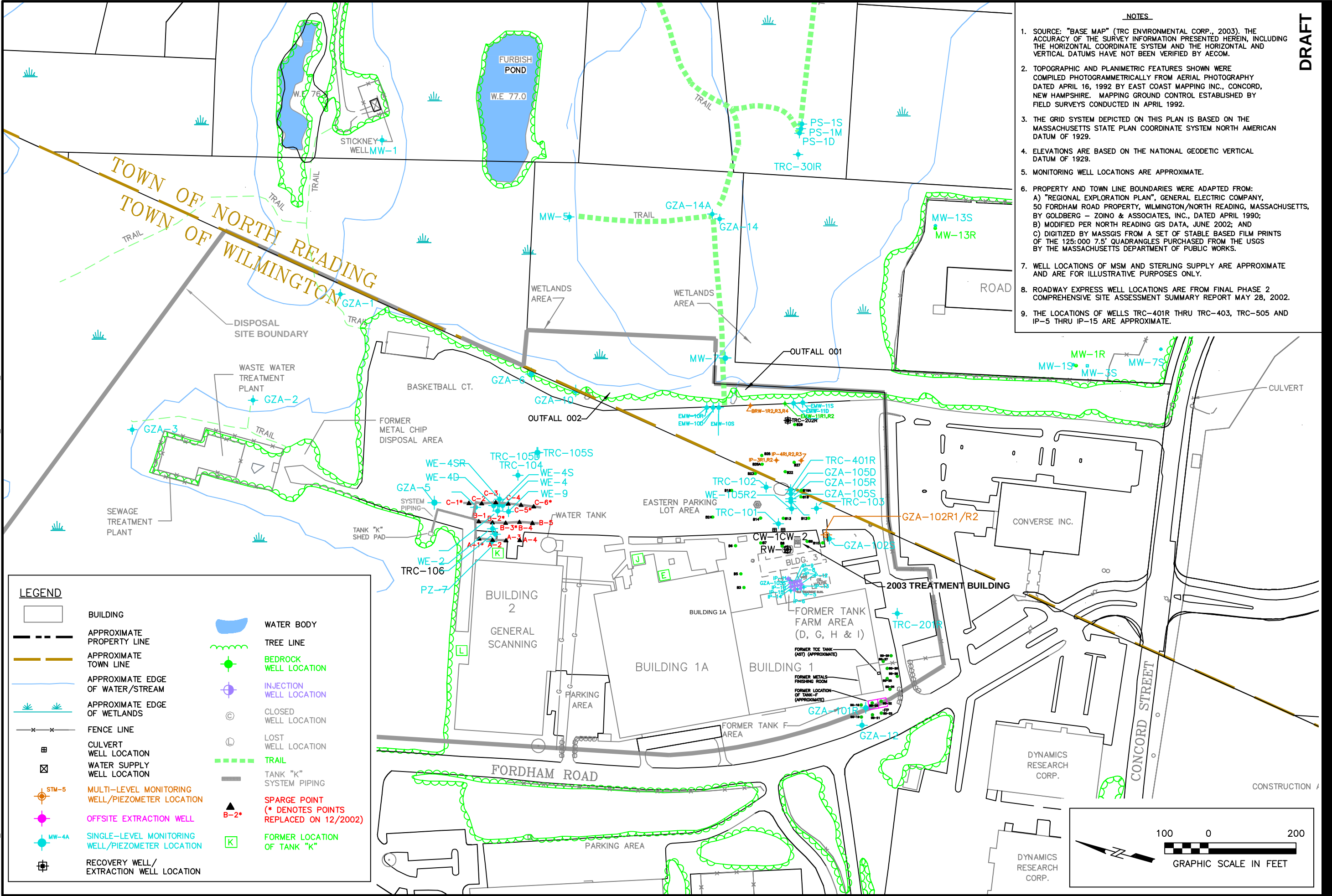
Former GE Site
50 Fordham Road
Wilmington, MA

Site Locus Map

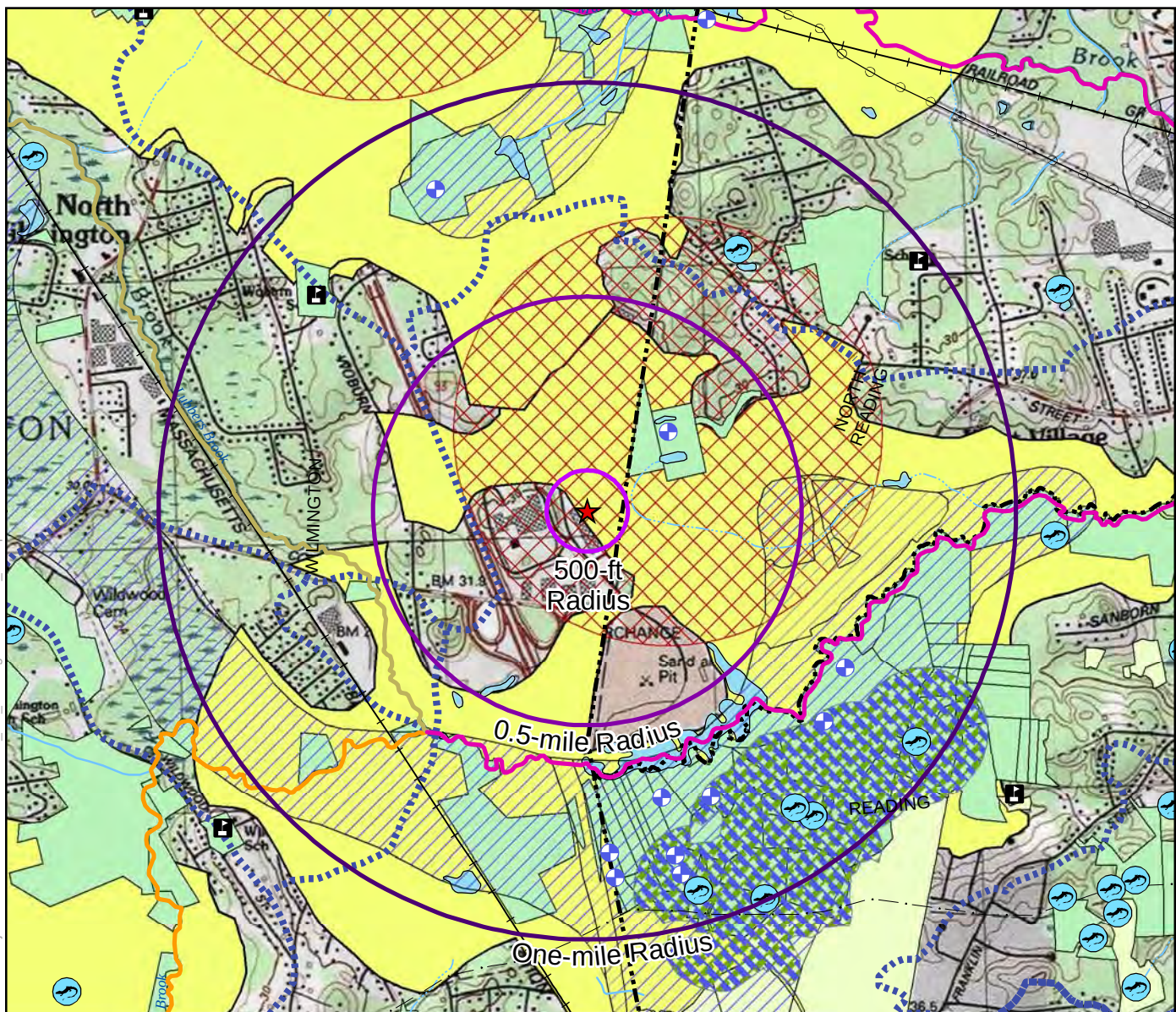
DATE: 5/2012

PROJECT 60267214

FIGURE 1-1



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Water Supplies

- Emergency Surface Water
- Community Groundwater Well
- Non-Transient Non-Community
- Proposed Well
- Community Surface Water Source
- Transient Non-Community
- DEP Approved Zone II Protection Area
- Interim Zone II Protection Area
- Interim Wellhead Protection Area (IWPA)
- Zone A Surface Water Protection Areas
- Zone B Surface Water Protection Areas
- Zone C Surface Water Protection Areas

Aquifers

- High Yield Aquifer
- Medium Yield Aquifer
- Non-Potential Drinking Water Source Area (High Yield)
- Non-Potential Drinking Water Source Area (Medium Yield)
- Sole Source Aquifer

Natural Heritage & Endangered Species

- NHESP Certified Vernal Pools
- NHESP Priority Habitats for Rare Species
- NHESP Estimated Habitats for Rare Wildlife
- ACECS

Open Space

- Federal
- State
- Municipal
- Other Public
- Private
- Hospital
- Colleges and Universities
- School
- Prison

Drainage Basin Divide

DEP Integrated List of Waters

- Category 2
- Category 3
- Category 4a
- Category 4c
- Category 5

Map compiled by AECOM, August 2012
from data supplied by EOE, MassGIS.

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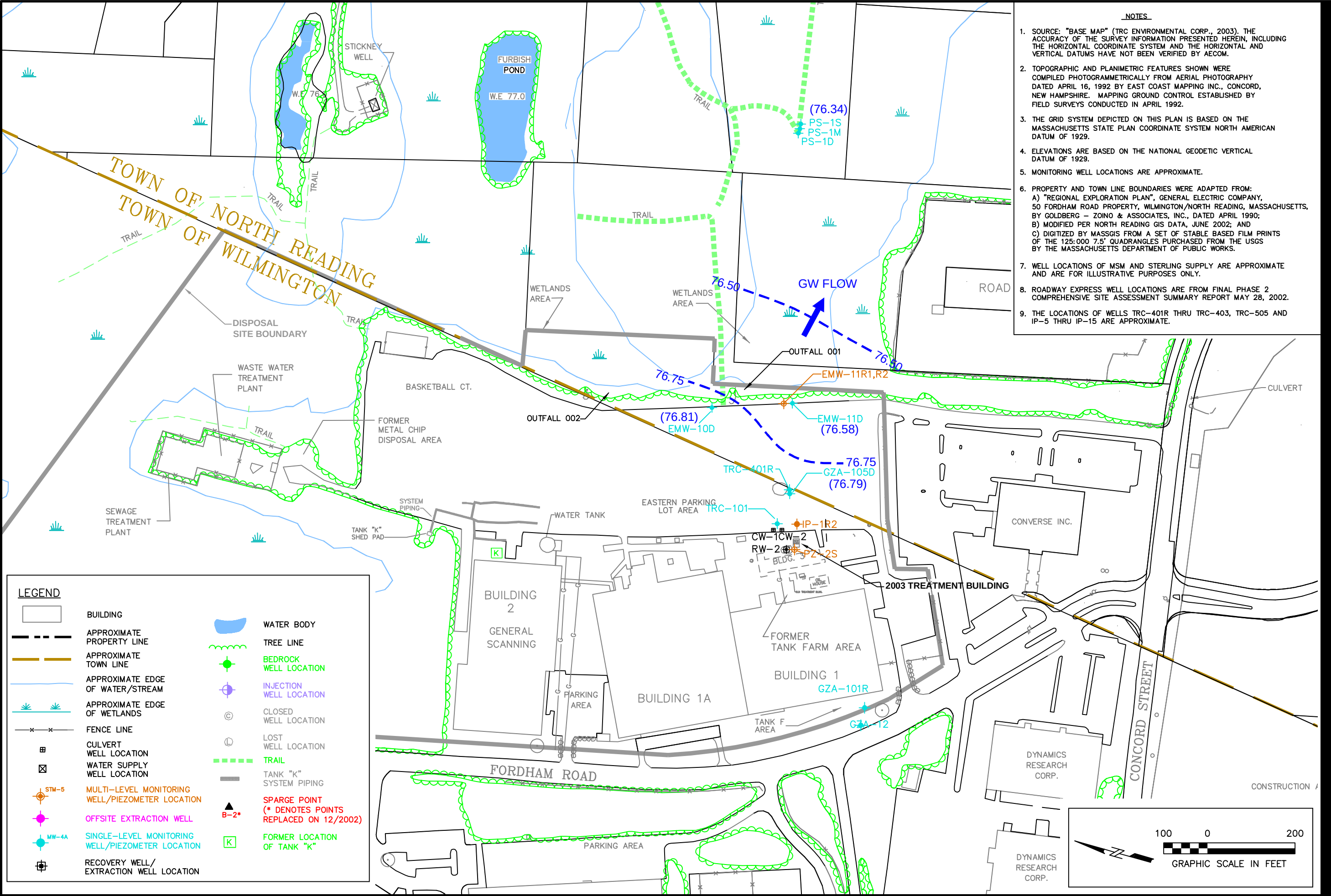
0 500 1,000 2,000
Feet

Local Area Map with Sensitive Receptors

Datum: NAD 83
Coor. Sys.: Mass. State Plane Mainland (meters)
Basemap: USGS 7.5 Minute Topographic Quad

Former GE Facility
50 Fordham Road
Wilmington, Massachusetts

Figure 1-3



Tables

Table 2-1
2012 Groundwater Monitoring Sampling Plan
Former GE Site
Wilmington, MA

GROUNDWATER SAMPLING									
	SPECIFICATIONS							FREQUENCY	
WELL ID	Overburden/ Bedrock	Well Diameter (inches)	Screened Interval (ft bgs)	Total Depth (ft)	Port or PDB Centerline (ft)	Sampling Method	Analysis	Semi-Annual (May and Nov)	Annual (Nov)
Source Control									
EMW-11R1	Shallow Bedrock	0.75	79-89	89.17	86	PP/Fz	VOCs (EPA Method 8260B); 1,4-dioxane (8270C); total arsenic; dissolved arsenic; qDHC		x (EZ)
TRC-401R-B	Shallow Bedrock	2	38-58	58	45	PP/Fz			x (EZ)
EMW-11R2	Deep Bedrock	0.75	104-114	114.17	111	PP/Fz			x (EZ)
IP-1R2	Deep Bedrock	2	54-74	74.1	60	PP/Fz			x (EZ)
LTGMP									
GZA-105D	Overburden	1.5	16-26	26	24	PDBsd	VOCs (EPA Method 8260B); 1,4-dioxane (8270C); total arsenic; dissolved arsenic; qDHC	x	x(EZ)
EMW-10D	Overburden	2	19-29	29	25	PDB		x	x
EMW-11D	Overburden	2	22-32	32	29	PDB		x	x(EZ)
PS-1D	Overburden	0.62	49.25-54.25	55	53.25	PP/Fz		x	x(EZ)
PZ-2S	Overburden	4	3.5 - 8.5	8.5	6	Interface Probe	Gauging Only	x	x
TRC-101	Overburden	1.25	1.5 - 10.5	10.5	6.5	Interface Probe		x	x
CW-1	Overburden	6	1.4 - 9.4	9.4	5.4	Interface Probe		x	x
CW-2	Overburden	6	1.7 - 8.1	8.1	4.9	Interface Probe		x	x

Notes:

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

X(EZ) = Additional sampling analysis to include: sulfate/sulfide, nitrate/nitrite, chloride, total organic carbon, ethene/ethane.

In the field measure oxygen reduction potential (ORP), dissolved oxygen and ferrous iron.

PDB = Passive Diffusion Bag (TERMINATED FOLLOWING THE MAY 2012 SAMPLING EVENT)

PDBsd = Small Diameter PDB sampler (TERMINATED FOLLOWING THE MAY 2012 SAMPLING EVENT)

PP = Peristaltic Pump

bgs = Below ground surface

TBD = To Be Determined

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

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Chlorinated VOCs	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene**	1,2-Dibromo-3-chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene**	1,3-Dichlorobenzene	1,3-Dichloropropane	1,3-Dichloropropene	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	Continued on Next Page				
MCP GW-1 Standard						5	200	2	5	70	7				70	200		600	5	5	200	40		0.4	5		4000					350	6300			3	4	10	5	100	2		70					
MCP GW-2 Standard						10	4000	9	900	1000	80				2000	7000		2000	5	3	7000	2000		10	200		50000					50000	50000			6	700	7	2	200	20		50					
MCP GW-3 Standard						50000	20000	50000	50000	20000	30000				50000	50000		2000	20000	50000		50000	50000		200	8000		50000				50000	50000			50000	50000	800	5000	1000	50000		20000					
LTGMP Overburden	EMW-10D	19-29	Overburden	6/1998	293.0	NA	1	<0.2	<1	1	<1	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
				2/2000	BDL	<2	<2	<2	<2	<2	<2	NA	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	NA	NA	NA	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		
				9/2001	206.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
				9/2003(*)	68.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
				5/2004	4.0	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				9/2005	58.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
				11/2007	99.9	<0.5	<0.5	<0.5	<0.75	0.90	<0.5	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
				11/2008	53.7	<0.50	<0.50	<0.50	<0.75	<0.75	<0.50	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
				5/2009	42.2	<0.50	<0.50	<0.50	<0.75	0.31 J	0.18 J	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
				11/2009	43.4	<0.50	<0.50	<0.50	<0.75	<0.75	<0.50	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
6/2010	65.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0			
11/2010	29.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0			
5/2011	55.6	<1.0	<1.0	<1.0	<1.0	0.34 J	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0	<1.0	<2.0				
5/2012	29.0	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
EMW-10D (Peristaltic)					5/2012	38.1	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
EMW-11D	EMW-11D	22-32	Overburden	6/1998	97.0	NA	<1	<0.2	<1	3	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
				2/2000	97.2	<2	<2	<2	<2	5	<2	NA	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
				9/2001	98.1	<1	<1	<1	<1	5.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
				9/2003(*)	123.7	<2	<2	<2	<2	4.1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<								

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

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Chlorinated VOCs	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Diisopropyl ether	Ethylenedibromide	Fluorotrichloromethane	Hexachlorobutadiene	Isopropylbenzene**	Methylene chloride	n-Butylbenzene**	n-Propylbenzene**	p-Isopropyltoluene**	sec-Butylbenzene**	Styrene	tert-Butylbenzene**	Tetrachloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	Carbon disulfide	Diethyl ether	Ethyl Tertiary Butyl Ether	Tert-amyl-methyl ether (TAME)	Tetrahydrofuran	1,4-Dioxane	1,4-Dioxane (SIM)			
MCP GW-1 Standard						70	0.4				0.02		0.6	200	5	200	200	200	200	100	200	5	100	0.4	5	2						3	3			
MCP GW-2 Standard						100	10				2		1	7000	10000	7000	7000	7000	7000	100	7000	50	90	10	30	2						6000	6000			
MCP GW-3 Standard						50000	200				50000		3000	50000	50000	50000	50000	50000	50000	6000	50000	30000	50000	200	5000	50000						50000	50000			
LTGMP Overburden	EMW-10D	19-29	Overburden	6/1998	293.0	40	<1	NA	NA	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	150	<1	<1	100	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				2/2000	BDL	<2	<2	<2	NA	NA	<2	<2	<2	<2	<2	<2	<5	<2	<2	NA	<2	<2	NA	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA		
				9/2001	206.2	28	<0.42	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	100	<1	<0.38	77	1.2	NA	NA	NA	NA	NA	NA	NA	
				9/2003(*)	68.0	20	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<5	<2	<5	<2	<2	20	<2	NA	28	<2	NA	NA	NA	NA	NA	NA		
				5/2004	4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				9/2005	58.0	13	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	22	<2.0	NA	23	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<100	NA
				11/2007	99.9	25	<0.5	<5	<5	<2	<2	<2.5	<0.6	<0.5	<4.6	<0.5	<0.5	<0.5	<0.5	<1	<2.5	42	0.42 J	<0.5	29	2.6	<5	<2.5	<2	<2	<10	<250	NA	NA		
				11/2008	53.7	22	<0.50	<5.0	5.0 UJ	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	14	<0.75	<0.50	17	0.69 J	<5.0	<2.5	<2.0	<2.0	<10	<250	NA	NA		
				5/2009	42.2	22	<0.50	<5.0	5.0 UJ	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	7.1	<0.75	<0.50	12	0.63 J	<5.0	<2.5	<2.0	<2.0	<10	<250	NA	NA		
				11/2009	43.4	24	<0.50	<5.0	5.0 UJ	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	5.8	<0.75	<0.50	13	0.55 J	<5.0	<2.5	<2.0	<2.0	<10	<250	NA	NA		
				6/2010	65.7	19	<0.50	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<0.60	<2.0	<2.0	<0.60	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	23	<1.0	<0.50	23	0.67 J	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<10 UJ	<250	NA
				11/2010	29.0	3.7	<0.50	<2.0	<2.0	<2.0	<2.0	<2.0	<0.60	<2.0	<2.0	<0.60	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	17	<1.0	<0.50	8.3	<1.0	<2.0	<2.0	<2.0	<5.0	<250	NA	
				5/2011	55.6	17	<0.50	<2.0	<2.0	<2.0	<2.0	<2.0	<0.60	<2.0	<2.0	<0.60	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	18	<1.0	<0.50	20	0.25 J	<2.0	<2.0	<2.0	<2.0	<5.0	<250	NA
				5/2012	29.0	7.48	<0.5	<1.0	<2.0	<1.0	NA	<1.0	<0.5	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	8.86	<1.0	<0.5	12.1	<1.0	<2.0	NA	<1.0	<1.0	<2.0	NA	NA
	EMW-10D (Peristaltic)				5/2012	38.1	8.12	<0.5	<1.0	<2.0	<1.0	NA	<1.0	<0.5	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	12	<1.0	<2.0	NA	<1.0	<1.0	<2.0	NA	<0.2		
	EMW-11D	22-32	Overburden	6/1998	97.0	63	<1	NA	NA	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	8	<1	<1	11	12	NA	NA	NA	NA	NA	NA	NA	NA	
				2/2000	97.2	34	<2	<2	NA	NA	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	NA	19	<2	NA	30	9.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				9/2001	98.1	40	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	27	8.6	2.4	<0.21	20	22	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	123.7	45	NA	<2	2.2	<2	<2	<2	<2	<2	<5	<5	<2	<5	<2	<2	<2	<2	6.2	2.2	NA	31	33	NA	NA	NA	NA	NA	NA	NA	NA	
				9/2005	30.3	10	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	1.6 J	2.6	1.3 J	NA	7.5	6.7	<2.0	<2.0	<2.0	<2.0	<100	NA	
				11/2007	12.4	6.0	<0.5	<5	<5	<2	<2	<2.5	<0.6	<0.5	<4.6	<0.5	<0.5	<0.5	<0.5	<1	<2.5	<0.5	0.52 J	<0.5	2.9	1.8	<5	<2.5	<2	<2	<10	<250	NA	NA		
				11/2008	11.3	2.3	<0.50	<5.0	5.0 UJ	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	1.1	0.35 J	<0.50	5.2	1.4	<5.0	<2.5	<2.0	<2.0	<10	<250	NA	NA		
				5/2009	49.7	13	<0.50	<5.0	5.0 UJ	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	1.1 J	4.4	0.8	<0.50	21	10	<5.0	<2.5	<2.0	<2.0	<10	<250	NA	NA		
				11/2009	36.2	7.4	<0.50	<5.0	5.0 UJ	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	3.4	0.62 J	<0.50	17	5.9	<5.0	<2.5	<2.0	<2.0	<10	<250	NA	NA		
				6/2010	46.1	14	<0.50	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<0.60	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	4	0.60 J	<0.50	14	12	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<10 UJ	<250	NA	NA		
				11/2010	21.3	5.3	<0.50	<2.0	<2.0	<2.0	<2.0	<2.0	<0.60	<2.0	<2.0	<0.60	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	2.6	<1.0	<0.50	11	1.6	<2.0	<2.0	<2.0	<5.0	<250	NA	NA		
				5/2011	55.6	16	<0.50	<2.0	<2.0	<2.0	<2.0	<2.0	<0.60	1.1 J	<2.0	<2.0 UJ	1.3 J	<2.0 UJ	0.52 J	<1.0	2.3	4.8	0.85 J	<0.50	23	8.6	<2.0	<2.0	<2.0	<2.0	<5.0	<250	NA	NA		
				5/2012	102.8	35.1	<0.5	<1.0	<2.0	<1.0	NA	<1.0	<0.5	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.03 J	19.3	1.26	<0.5	43.2	26.1 J	<2.0	NA	<1.0	<1.0	<2.0	NA	NA
				EMW-11D DUP				5/2012	106.6	36.4	<0.5	<1.0	<2.0	<1.0	NA	<1.0	<0.5	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.02 J	20	1.34	<0.5	44.9	28.4 J	<2.0	NA	<1.0	<1.0	<2.0	NA
	EMW-11D (Peristaltic)				5/2012	103.0	36.4	<0.5	<1.0	<2.0	<1.0	NA	<1.0	<0.5	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.71 J	19.2	1.42	<0.5	42	28.1 J	<2.0	NA	<1.0	<1.0	<2.0	NA	<0.2	
	GZA-10	13-38	Overburden	12/1995	9.0		<0.4	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6	<0.4	<0.2	3	<0.3	NA	NA	NA	NA	NA	NA	
				9/2001	1.2		<1	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<5	<1	<0.21	1.2	<1	NA	NA	NA	NA	NA	NA	NA	
				9/2003(*)	BDL	<2	NA	<2	<2	<2	<2	<2	<2	<2	<5</																					

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

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Chlorinated VOCs	1,1,1,2-Tetrachloroethane	1,1,1,1-Trichloroethane	1,1,1,2,2-Tetrachloroethane	1,1,2,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene**	1,2-Dibromo-3-chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene**	1,3-Dichlorobenzene	1,3-Dichloropropene	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	Continued on Next Page											
MCP GW-1 Standard						5	200	2	5	70	7				70	200		600	5	5	200	40		0.4	5	4000										3	4	10	5	100	2		70											
MCP GW-2 Standard						10	4000	9	900	1000	80				2000	7000		2000	5	3	7000	2000		10	200		50000						50000	50000			6	700	7	2	200	20		50										
MCP GW-3 Standard						50000	20000	50000	50000	20000	30000				50000	50000		2000	20000	50000	50000	50000	50000		200	8000		50000						50000	50000			50000	50000	800	5000	1000	50000		20000									
LTGMP Overburden	MW-5	28-38	Overburden	12/1995	34.0	NA	<0.4	<0.2	<0.5	2	<0.4	NA	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4								
				12/1997	105.0	NA	<1	<1	<1	2	<1	NA	NA	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1							
				12/1999	39.0	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	NA	<2	NA	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2							
				9/2001	29.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1							
				9/2003(*)	25.8	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2							
				9/2005	16.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0						
				11/2007	19.4	<0.5	<0.5	<0.5	<0.75	0.41 J	<0.5	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<1.8	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<5	<2.5	<5	<5	<2.5	<2.5	<0.5	<2	<1	<0.5	<0.5	<0.5	<1	<0.75	<2.5	<2.5	<2.5	<2.5							
				12/1995	87.0	NA	<0.4	<0.2	<0.5	<0.5	<0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4		
				12/1997	160.0	NA	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
				12/1999	184.0	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	NA	<2	NA	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2				
	MW-7	15-25	Overburden	9/2001	99.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1						
				9/2003(*)	46.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2					
				9/2005	27.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0				
				11/2007	6.5	<0.5	<0.5	<0.5	<0.75	<0.75	<0.5	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<0.5	<1.8	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<5	<2.5	<5	<5	<2.5	<2.5	<0.5	<2	<1	<0.5	<0.5	<0.5	<1	<0.75	<2.5	<2.5	<2.5	<2.5								
				11/2009	45.2	<0.50	<0.50	<0.50	<0.75	<0.75	<0.50	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<0.50	<1.8	<2.5	<2.5	<2.5	NA	<2.5	<2.5	<5.0	<2.5	<5.0	<2.5	<5.0	<5.0	<2.5	<2.5	<0.50	<2.0	<1.0	<0.50	<0.50	<0.50	<1.0	<0.75	<2.5	<2.5	<2.5	<2.5								
	PS-1D	49.25-54.25	Overburden	12/1995	268.0	NA	<0.4	<0.2	<0.5	4	2	NA	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4					
				6/1998	106.0	NA	<1	<0.2	<1	1	<1	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			
				12/1999	129.0	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	NA	<2	NA	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2				
				9/2001	85.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
				9/2003(*)	116.2	<2	<2	<2	<2	<2	<																																											

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

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Chlorinated VOCs	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Diisopropyl ether	Ethylenedibromide	Fluorotrichloromethane	Hexachlorobutadiene	Isopropylbenzene**	Methylene chloride	n-Butylbenzene**	n-Propylbenzene**	p-Isopropyltoluene**	sec-Butylbenzene**	Styrene	tert-Butylbenzene**	Tetrachloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	Carbon disulfide	Diethyl ether	Ethyl Tertiary Butyl Ether	Tert-amyl-methyl ether (TAME)	Tetrahydrofuran	1,4-Dioxane	1,4-Dioxane (SIM)				
MCP GW-1 Standard						70	0.4				0.02		0.6	200	5	200	200	200	200	100	200	5	100	0.4	5	2							3	3			
MCP GW-2 Standard						100	10				2		1	7000	10000	7000	7000	7000	7000	100	7000	50	90	10	30	2							6000	6000			
MCP GW-3 Standard						50000	200				50000		3000	50000	50000	50000	50000	50000	50000	6000	50000	30000	50000	200	5000	50000							50000	50000			
LTGMP Overburden	MW-5	28-38	Overburden	12/1995	34.0	3	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	<0.4	<0.2	24	<0.3	NA	NA	NA	NA	NA	NA	NA	NA			
				12/1997	105.0	7	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	13	<1	<1	83	<1	NA	NA	NA	NA	NA	NA	NA	NA		
				12/1999	39.0	4	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	5	<2	NA	30	<2	NA	NA	NA	NA	NA	NA	NA		
				9/2001	29.5	2.8	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	2.7	<1	<0.21	24	<1	NA	NA	NA	NA	NA	NA	NA	NA		
				9/2003(*)	25.8	5.8	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	20	<2	NA	NA	NA	NA	NA	NA	NA		
				9/2005	16.2	14	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.5	<0.6	<0.5	<4.6	<0.5	<0.5	<0.5	<0.5	<1	<2.5	<0.5	<0.75	<0.5	<0.5	<1	<5	<2.5	<2	<2	<10	<250	NA	
				11/2007	19.4	19	<0.5	<5	<5	<2	<2	<2.5	<0.6	<0.5	<4.6	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<2.5	<0.5	<0.75	<0.5	<0.5	<1	<5	<2.5	<2	<2	<10	<250	NA			
	MW-7	15-25	Overburden	12/1995	87.0	<0.4	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	35	<0.4	<0.2	51	1	NA	NA	NA	NA	NA	NA	NA	NA			
				12/1997	160.0	45	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	36	<1	<1	79	<1	NA	NA	NA	NA	NA	NA	NA	NA		
				12/1999	184.0	50	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	43	<2	NA	91	<2	NA	NA	NA	NA	NA	NA	NA		
				9/2001	99.4	42	<0.42	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	9.4	<1	<0.38	48	<1	NA	NA	NA	NA	NA	NA	NA	NA		
				9/2003(*)	46.0	29	NA	<2	<2	<2	<2	<2	<2	<5	<5	<2	<5	<2	<5	<2	<2	<2	<2	<2	<2	NA	17	<2	NA	NA	NA	NA	NA	NA	NA		
				9/2005	27.3	22	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	5.3	<2.0	<2.0	<2.0	<2.0	<2.0	<100	NA		
				11/2007	6.5	5.3	<0.5	<5	<5	<2	<2	<2.5	<0.6	<0.5	<4.6	<0.5	<0.5	<0.5	<0.5	<1	<2.5	<0.5	<0.75	<0.5	1.2	<1	<5	<2.5	<2	<2	<10	<250	0.49 J				
		PS-1D	49.25-54.25	Overburden	11/2009	45.2	33	<0.50	<5.0	5.0 UJ	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	<0.50	<0.75	<0.50	10	2.2	<5.0	<2.5	<2.0	<2.0	<10	<250	NA		
					12/1995	268.0	24	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38	<0.4	<0.2	200	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
					6/1998	106.0	20	<1	NA	NA	NA	NA	<1	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	24	<1	<1	61	<1	NA	NA	NA	NA	NA	NA	NA
					12/1999	129.0	10	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	32	<2	NA	87	<2	NA	NA	NA	NA	NA	NA	NA	
					9/2001	85.0	10	<0.42	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	20	<1	<0.38	55	<1	NA	NA	NA	NA	NA	NA	NA	
					9/2003(*)	116.2	7.2	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<5	<2	<2	<2	28	<2	NA	81	<2	NA	NA	NA	NA	NA	NA	NA	
					9/2005	92.8	7.6	NA	<2.0	<2.0	1.6 J	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	24	<2.0	<2.0	59	<2.0	<2.0	<2.0	<2.0	<2.0	<50	NA		
		11/2007			21.4	4.8	<0.5	<5	<5	0.84 J	<2	<2.5	<0.6	<0.5	<4.6	<0.5	<0.5	<0.5	<0.5	<1	<2.5	3.2	<0.75	<0.5	12	0.62 J	<5	<2.5	<2	<2	<10	<250	NA				
		11/2008			54.8	8.9	<0.50	<5.0	5.0 UJ	0.74 J	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	9.1	<0.75	<0.50	34	0.73 J	<5.0	<2.5	<2.0	<2.0	<10	<250	NA				
		5/2009			61.4	11	<0.50	<5.0	5.0 UJ	0.60 J	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	11	<0.75	<0.50	37	0.79 J	<5.0	<2.5	<2.0	<2.0	<10	<250	NA				
		11/2009			69.5	13	<0.50	<5.0	5.0 UJ	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	9.7	<0.75	<0.50	44	1.1	<5.0	<2.5	<2.0	<2.0	<10	<250	NA				
		6/2010			57.9	10	<0.50	<2.0	<2.0	<2.0 UJ	<2.0	<2.0	<0.60	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	10	<1.0	<0.50	36	1.1	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<10 UJ	<250	NA				
		11/2010			43.9	10	<0.50	<2.0	<2.0	<2.0	<2.0	<2.0	<0.60	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	5.9	<1.0	<0.50	26	0.67 J	<2.0	<2.0	<2.0	<2.0	<5.0	<250	NA				
		5/2011			48.6	11	<0.50	<2.0	0.48 J	0.33 J	<2.0	<2.0	<0.60	<2.0	<2.0	<2.0 UJ	<2.0 UJ	<2.0 UJ	<1.0	<2.0 UJ	6.0	<1.0	<0.50	29	0.85 J	<2.0	<2.0	<2.0	<2.0	<5.0	<250	NA					
5/2012	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
PS-1D (Peristaltic)			5/2012	50.4	11.5	<0.5	<1.0	<2.0	<1.0	NA	<1.0	<0.5	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	8.1	<1.0	<0.5	28.2	1.12 J	<2.0	NA	<1.0	<1.0	<2.0	NA	<0.2	NA				
PS-1D DUP	49.25-54.25	Overburden	5/2011	51.3	12	<0.50	<2.0	<2.0	0.37 J	<2.0	<2.0	<0.60	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	6.2	<1.0	<0.50	31	0.91 J	<2.0	<2.0	<2.0	<2.0	<5.0	<250	NA	NA				
	PS-1M	34.25-39.25	Overburden	12/1995	60.0	4	<0.3	<0.3	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27	<0.4	<0.2	29	<0.3	NA	NA	NA	NA	NA	NA	NA	NA			
				6/1998	28.0	<1	<1	NA	NA	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	16	<1	<1	12	<1	NA	NA	NA	NA	NA	NA	NA	NA		
				12/1999	81.0	<2	<2	<2	NA	NA	<2	<2	<2	<2	<2	<2	14	<2	16	<2	NA	81	<2	NA	<2	<2											

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

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Chlorinated VOCs	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene**	1,2-Dibromo-3-chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene**	1,3-Dichlorobenzene	1,3-Dichloropropene	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	Continued on Next Page					
MCP GW-1 Standard						5	200	2	5	70	7				70	200		600	5	5	200	40		0.4	5	4000				350	6300			3	4	10	5	100	2		70							
MCP GW-2 Standard						10	4000	9	900	1000	80				2000	7000		2000	5	3	7000	2000		10	200		50000				50000	50000			6	700	7	2	200	20		50						
MCP GW-3 Standard						50000	20000	50000	50000	20000	30000				50000	50000		2000	20000	50000	50000		200	8000		50000				50000	50000			50000	50000	800	5000	1000	50000		20000							
LTGMP Overburden	STM-8D	34.7-39.7	Overburden	11/1995	113.0	NA	12	<0.2	<0.5	<0.5	<0.4	NA	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	
				12/1997	119.0	NA	33	<1	<1	2	<1	NA	NA	NA	NA	NA	NA	<1	<1	NA	NA	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
				12/1999	26.0	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	NA	NA	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
				9/2001	27.7	<1	3.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
				9/2003(*)	14.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<5	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		
				9/2005	25.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		
				11/2007	7.2	<0.5	0.38 J	<0.5	<0.75	<0.75	<0.5	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<0.5	<1.8	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<5	<2.5	<5	<2.5	<2.5	<0.5	<2	<1	<0.5	<0.5	<0.5	<1	<0.75	<2.5	<2.5	
				11/2009	4.1	<0.50	<0.50	<0.50	<0.75	<0.75	<0.50	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<0.50	<1.8	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<5.0	<2.5	<2.5	<0.50	<2.0	<1.0	<0.50	<0.50	<0.50	<1.0	<0.75	<2.5	<2.5					
	STM-8M	19.5-24.5	Overburden	11/1995	55.0	NA	8	<0.2	<0.5	<0.5	<0.4	NA	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	
				12/1997	36.0	NA	5	<1	<1	2	<1	NA	NA	NA	NA	NA	NA	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
				12/1999	3.0	<2	<2	<2	<2	<2	<2	NA	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	<2	NA	NA	<2	NA	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
				9/2001	15.9	<1	1	<1	<1	1.5	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
				9/2003(*)	5.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
				9/2005	6.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
				11/2007	6.5	<0.5	<0.5	<0.5	<0.75	<0.75	<0.5	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<0.5	<1.8	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<5	<2.5	<5	<2.5	<2.5	<0.5	<2	<1	<0.5	<0.5	<0.5	<1	<0.75	<2.5	<2.5	
	W-01	33.5-38.5	Overburden	6/1998	23.0	NA	<1	<0.2	<1	3	8	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	<1	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
				12/1999	8.0	<2	<2	<2	<2	3	<2	NA	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	<2	NA	NA	<2	NA	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
				9/2001	32.9	<1	<1	<1	<1	2.7	3.5	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
				9/2003(*)	12.1	<2	<2	<2	<2	<2	1J	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	TRC-402	53.3-63.3	PVC	11/2006	1.5	<0.50	<0.50	<0.50	<0.75	0.12 J	0.84	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<0.50	<1.8	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<5.0	<2.5	<5.0	<2.5	<2.5	<0.50	<2.0	<1.0	<0.50	<0.50	<0.50	<1.0	<0.75	<2.5	<2.5			
				11/2007	1.2	<0.5	<0.5	<0.5	<0.75	0.44 J	<0.5	<2.5																																				

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

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Chlorinated VOCs	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Diisopropyl ether	Ethylenedibromide	Fluorotrichloromethane	Hexachlorobutadiene	Isopropylbenzene**	Methylene chloride	n-Butylbenzene**	n-Propylbenzene**	p-Isopropyltoluene**	sec-Butylbenzene**	Styrene	tert-Butylbenzene**	Tetrachloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	Carbon disulfide	Diethyl ether	Ethyl Tertiary Butyl Ether	Tert-amyl-methyl ether (TAME)	Tetrahydrofuran	1,4-Dioxane	1,4-Dioxane (SIM)		
MCP GW-1 Standard						70	0.4				0.02		0.6	200	5	200	200	200	200	100	200	5	100	0.4	5	2						3	3		
MCP GW-2 Standard						100	10				2		1	7000	10000	7000	7000	7000	7000	100	7000	50	90	10	30	2						6000	6000		
MCP GW-3 Standard						50000	200				50000		3000	50000	50000	50000	50000	50000	50000	6000	50000	30000	50000	200	5000	50000						50000	50000		
LTGMP Overburden	STM-8D	34.7-39.7	Overburden	11/1995	113.0	<0.4	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	46	<0.4	<0.2	55	<0.3	NA	NA	NA	NA	NA	NA	NA	
				12/1997	119.0	4	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA	41	<1	<1	39	<1	NA	NA	NA	NA	NA	NA	NA
				12/1999	26.0	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	13	<2	NA	13	<2	NA	NA	NA	NA	NA	NA	NA
				9/2001	27.7	1.5	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	13	<1	<0.21	10	<1	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	14.0	<2	NA	<2	<2	<2	<2	<2	<2	<2	<5	<2	<5	<2	<5	<2	<5	<2	<2	7.9	<2	NA	6.1	<2	NA	NA	NA	NA	NA	NA	NA
				9/2005	25.3	9.7	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	9.2	<2.0	NA	6.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<100	NA
				11/2007	7.2	0.85	<0.5	<5	<5	<2	<2	<2.5	<0.6	<0.5	<4.6	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<2.5	4.4	<0.75	<0.5	1.6	<1	<5	<2.5	<2	<2	<10	<250	NA	
				11/2009	4.1	1.7	<0.50	<5.0	<5.0	<2.0	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	1.3	<0.75	<0.50	1.1	<1.0	<5.0	<2.5	<2.0	<2.0	<10	<250	NA	
	STM-8M	19.5-24.5	Overburden	11/1995	55.0	<0.4	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16	<0.4	<0.2	31	<0.3	NA	NA	NA	NA	NA	NA	NA
				12/1997	36.0	19	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA	4	<1	<1	6	<1	NA	NA	NA	NA	NA	NA	NA
				12/1999	3.0	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	3	<2	NA	NA	NA	NA	NA	NA	NA	NA	
				9/2001	15.9	5.4	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	4	<1	<0.21	4	<1	NA	NA	NA	NA	NA	NA	NA	
				9/2003(*)	5.0	5	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	
				9/2005	6.4	3.6	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	1.6 J	<2.0	NA	1.2 J	<2.0	<2.0	<2.0	<2.0	<2.0	<100	NA		
				11/2007	6.5	5.6	<0.5	<5	<5	<2	<2	<2.5	<0.6	<0.5	<4.6	<0.5	<0.5	<0.5	<0.5	<1	<2.5	0.55	<0.75	<0.5	0.39 J	<1	<5	<2.5	<2	<2	<10	<250	NA		
	W-01	33.5-38.5	Overburden	6/1998	23.0	10	<1	NA	NA	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	2	<1	NA	NA	NA	NA	NA	NA	NA	
				12/1999	8.0	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	<2	5	NA	NA	NA	NA	NA	NA	NA		
				9/2001	32.9	24	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<5	<1	<0.21	<1	2.7	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	12.1	8.9	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<5	<2	<5	<2	<2	<2	<2	NA	<2	3.2	NA	NA	NA	NA	NA	NA	NA	
	TRC-402	53.3-63.3	PVC	11/2006	1.5	0.51	<0.50	<5.0	<5.0	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	<0.50	<0.75	<0.50	<0.50	<1.0	<5.0	<2.5	<2.0	<2.0	<10	<250	NA	
				11/2007	1.2	0.74	<0.5	<5	<5	<2	<2	<2.5	<0.6	<0.5	<4.6	<0.5	<0.5	<0.5	<0.5	<1	<2.5	<0.5	<0.75	<0.5	<0.5	<1	<5	<2.5	<2	<2	<10	<250	NA		
				11/2009	4.2	1.0	<0.50	<5.0	<5.0	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	<0.50	<0.75	<0.50	0.28 J	<1.0	<5.0	<2.5	<2.0	<2.0	<10	<250	NA		
	W-02	15-25	Overburden	6/1998	14.0	8	<1	NA	NA	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	1	<1	NA	NA	NA	NA	NA	NA	NA	
				12/1999	3.0	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	<2	3	NA	NA	NA	NA	NA	NA	NA		
				9/2001	26.8	20	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<5	<1	<0.21	<1	3.8	NA	NA	NA	NA	NA	NA	NA	NA
	9/2003(*)	1.2	1.2 J	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<5	<2	<5	<2	<2	<2	<2	<2	NA	<2	<2	NA	<2	NA	NA	NA	NA	NA	NA		
	TRC-403	37.5-47.5	PVC	11/2006	0.4	<0.50	<5.0	<5.0	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	<0.50	<0.75	<0.50	<0.50	<1.0	<5.0	<2.5	<2.0	<2.0	<10	<250	NA		
				11/2007	BDL	<0.5	<0.5	<5	<5	<2	<2	<2.5	<0.6	<0.5	<4.6	<0.5	<0.5	<0.5	<0.5	<1	<2.5	<0.5	<0.75	<0.5	<0.5	<1	<5	<2.5	<2	<2	<10	<250	NA		
				11/2009	BDL	0.50 UJ	0.50 UJ	5.0 UJ	5.0 UJ	2.0 UJ	2.0 UJ	2.5 UJ	0.60 UJ	0.50 UJ	5.0 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	1.0 UJ	2.5 UJ	0.50 UJ	0.75 UJ	0.50 UJ	0.50 UJ	1.0 UJ	5.0 UJ	2.5 UJ	2.0 UJ	2.0 UJ	10 UJ	250 UJ	NA		
	GZA-105D	GZA-105D	16-26	Overburden	11/1995	1,470.0	1100	<50	NA	NA	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA	<50	NA	70	NA	<50	130	170	NA	NA	NA	NA	NA	NA	NA
12/1997					1,176.0	610	NA	<1	NA	NA	<1	<1	NA	NA	<10	NA	NA	NA	NA	NA	<1	NA	<1	NA	150	4	NA	250	140	NA	NA	NA	NA	NA	NA
12/1999					158.0	28	<1	<2	NA	NA	<2	<2	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	35	1	<1	62	30	NA	NA	NA	NA	NA	NA	NA
9/2001					5,248.0	2400	<4.6	<20	NA	NA	<20	<20	<50	<20	<10	<20	<20	<20	<20	<20	<20	<20	<20	<4.2	1600	630	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/2002					1,457.0	830	<5	<10	NA	NA	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<5	180	350	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/2003(*)					5,921.0	2400	NA	<10	<10	<10	<10	<10	<10	<10	<25	<25	<10	<25																	

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

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Chlorinated VOCs	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene**	1,2-Dibromo-3-chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene**	1,3-Dichlorobenzene	1,3-Dichloropropene	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	Continued on Next Page					
MCP GW-1 Standard						5	200	2	5	70	7				70	200		600	5	5	200	40		0.4	5	4000				350	6300			3	4	10	5	100	2		70							
MCP GW-2 Standard						10	4000	9	900	1000	80				2000	7000		2000	5	3	7000	2000		10	200		50000				50000	50000			6	700	7	2	200	20		50						
MCP GW-3 Standard						50000	20000	50000	50000	20000	30000				50000	50000		2000	20000	50000	50000	50000		200	8000		50000				50000	50000			50000	50000	800	5000	1000	50000		20000						
LTGMP Bedrock	STM-8R	46.5-51.5	Bedrock	11/1995	48.0	NA	<0.4	<0.2	<0.2	<0.5	<0.4	NA	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	
				12/1997	7.0	NA	<1	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
				12/1999	54.0	<2	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	NA	<2	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
				9/2001	42.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
				9/2003(*)	13.8	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		
				9/2005	40.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		
				11/2007	42.4	<0.5	<0.5	<0.5	<0.75	0.64 J	1.1	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
				11/2009	40.1	<0.50	<0.50	<0.50	<0.75	0.61 J	0.30 J	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
				12/1995	4,013.0	NA	<0.4	<0.2	<0.2	5	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4
				12/1997	1,327.0	<1	<1	<1	<1	3	<1	NA	NA	<1	NA	NA	<10	<1	<1	NA	NA	<1	NA	NA	<1	NA	NA	<1	NA	<10	NA	<10	NA	<10	<50	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
6/1998	465.0	<1	<1	<1	<1	2	1	NA	NA	<1	NA	NA	<10	<1	<1	NA	NA	<1	NA	NA	<1	NA	<1	NA	<10	NA	<10	NA	<10	<50	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
9/2001	1,030.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2			
9/2002	1,570.0	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			
9/2003	1,160.0	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20			
9/2004	910.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		
9/2005	980.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		
11/2006	761.0	<10	<10	<10	<15	<15	<10	<50	<50	<100	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<100	<50	<100	<50	<100	<50	<50	<10	<40	<20	<10	<10	<10	<10	<20	<15	<50	<50		
11/2007	595.0	<5	<5	<5	<7.5	<7.5	<5	<25	<25	<50	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25																			

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

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Chlorinated VOCs	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Diisopropyl ether	Ethylenedibromide	Fluorotrichloromethane	Hexachlorobutadiene	Isopropylbenzene**	Methylene chloride	n-Butylbenzene**	n-Propylbenzene**	p-Isopropyltoluene**	sec-Butylbenzene**	Styrene	tert-Butylbenzene**	Tetrachloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	Carbon disulfide	Diethyl ether	Ethyl Tertiary Butyl Ether	Tert-amyl-methyl ether (TAME)	Tetrahydrofuran	1,4-Dioxane	1,4-Dioxane (SIM)				
MCP GW-1 Standard						70	0.4				0.02		0.6	200	5	200	200	200	200	100	200	5	100	0.4	5	2						3	3				
MCP GW-2 Standard						100	10				2		1	7000	10000	7000	7000	7000	7000	100	7000	50	90	10	30	2						6000	6000				
MCP GW-3 Standard						50000	200				50000		3000	50000	50000	50000	50000	50000	50000	6000	50000	30000	50000	200	5000	50000						50000	50000				
LTGMP Bedrock	STM-8R	46.5-51.5	Bedrock	11/1995	48.0	<0.4	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	7	<0.4	<0.2	41	<0.3	NA	NA	NA	NA	NA	NA	NA	NA			
				12/1997	7.0	6	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	1	<1	NA	NA	NA	NA	NA	NA	NA		
				12/1999	54.0	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	8	<2	NA	46	<2	NA	NA	NA	NA	NA	NA	NA		
				9/2001	42.8	2.9	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	5.9	<1	<0.21	34	<1	NA	NA	NA	NA	NA	NA	NA		
				9/2003(*)	13.8	5.2	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	8.6	<2	NA	NA	NA	NA	NA	NA	NA		
				9/2005	40.5	7	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	5.5	<2.0	NA	28	<2.0	<2.0	<2.0	<2.0	<2.0	<100	NA		
				11/2007	42.4	9.2	<0.5	<5	<5	<2	<2	<2.5	<0.6	<0.5	<4.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<2.5	6.5	<0.75	<0.5	25	<1	<5	<2.5	<2	<2	<10	<250	NA	
				11/2009	40.1	7.2	<0.50	<5.0	<5.0	<2.0	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	6.0	<0.75	<0.50	26	<1.0	<5.0	<2.5	<2.0	<2.0	<10	<250	NA		
				12/1995	4,013.0	6	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2300	<0.4	<0.2	1700	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	1,327.0	4	NA	<1	NA	NA	<1	<1	NA	NA	<10	NA	NA	NA	NA	NA	<1	NA	820	<1	NA	500	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GZA-101R	GZA-101R	36.5-38	Bedrock	6/1998	465.0	2	NA	NA	NA	NA	<1	<1	NA	NA	<10	NA	NA	NA	NA	NA	<1	NA	230	<1	NA	230	<1	NA	NA	NA	NA	NA	NA	NA	NA		
				9/2001	1,030.0	<2	<2.3	<2	NA	NA	<2	<2	<50	<2	11	<2	<2	<2	<2	<2	<2	<2	800	<2	<2.1	230	<2	NA	NA	NA	NA	NA	NA	NA	NA		
				9/2002	1,570.0	<5	<2.5	<5	NA	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA		
				9/2003	1,160.0	<20	NA	<20	<20	<20	<20	<20	<20	<20	<50	<50	<20	<50	<20	<20	<20	<20	<20	<20	900	<20	NA	260	<20	NA	NA	NA	NA	NA	NA	NA	
				9/2004	910.0	<10	NA	<10	30	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	730	<10	NA	150	<10	<10	<10	<10	<10	<10	NA	NA	
				9/2005	980.0	<10	NA	<10	<10	<10	<10	<10	<10	<25	<10	<25	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<500	NA		
				11/2006	761.0	<10	<10	<100	<100	<40	<40	<50	<12	<10	15 J	<10	<10	<10	<10	<10	<20	<50	<650	<15	<10	96	<20	<100	<50	<40	<40	26 J	<5000	NA			
				11/2007	595.0	<5	<5	<50	<50	<20	<20	<25	<6	<5	<50	<5	<5	<5	<5	<5	<5	<5	<10	<25	510	<7.5	<5	85	<10	<50	<25	<20	<20	<100	<2500	NA	
				11/2009	1,062.1	1.7	<0.50	<5.0	5.0 UJ	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	880	<0.75	<0.50	180	<1.0	<5.0	<2.5	<2.0	<2.0	<10	<250	NA			
				12/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.35	NA	
GZA-102R2	GZA-102R2	25-26.5	Bedrock	12/1995	4,730.0	330	<100	NA	NA	NA	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100	NA	1500	NA	<100	2900	<100	NA	NA	NA	NA	NA	NA	NA	NA		
				12/1997	2,986.0	300	NA	<1	NA	NA	<1	<1	NA	NA	<10	NA	NA	NA	NA	NA	<1	NA	990	3	NA	1600	23	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				7/1999	1,760.0	150	<25	<50	NA	NA	<50	<50	<30	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	690	<50	<25	920	<100	NA	NA	NA	NA	NA	NA	NA	NA	
				9/2001	2,433.0	110	<2.3	<5	NA	NA	<5	<5	<50	<5	30	<5	<5	<5	<5	<5	<5	<5	<5	890	<5	<2.1	1400	<10	NA	NA	NA	NA	NA	NA	NA	NA	
				9/2002	2,734.0	140	<5	<10	NA	NA	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NA		
				9/2003	1,693.0	83	NA	<20	<20	<20	<20	<20	<20	<20	<50	<50	<20	<50	<20	<20	<20	<20	<20	<20	620	<20	NA	990	<20	NA	NA	NA	NA	NA	NA	NA	
				12/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1	NA	
				12/1995	5,100.0	2900	<100	NA	NA	NA	NA	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100	NA	250	NA	<100	450	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	2,870.0	1600	NA	<1	NA	NA	<1	<1	NA	NA	<10	NA	NA	NA	NA	NA	<1	NA	110	48	NA	150	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	982.0	470	<5	<10	NA	NA	<10	<10	<6	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	34	<5	83	330	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GZA-103R1	GZA-103R1	18-19	Bedrock	9/2001	496.0	240	<2.3	<10	NA	NA	<10	<10	<50	<10	49	<10	<10	<10	<10	<10	<10	23	41	<2.1	34	140	NA	NA	NA	NA	NA	NA	NA	NA	NA		
				9/2002	84.3	15	<2.5	<5	NA	NA	<5	<5	<5	5	<25	<5	7.8	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	
				9/2003	22.1	3.7	NA	<2	6.3	<2	<2	<2	<2	<2	3.9	<5	<5	6.8	<5	<2	<2	3.4	<2	6.4	NA	<2	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				9/2005	13.9	4.2	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	6.6	<5.0	<2.0	10	1.3 J	<2.0	<2.0	4.9	<2.0	4.1	NA	<2.0	2.9	<2.0	<2.0	<2.0	<2.0	<2.0	<100	NA	NA			
				11/2007	17.7	4.6	<1.2	<12	8 J	<5	<5	<6.2	<1.5	7.1	<12	0.48 J																					

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

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Chlorinated VOCs	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene**	1,2-Dibromo-3-chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene**	1,3-Dichlorobenzene	1,3-Dichloropropane	1,3-Dichloropropene	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoforn	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	Continued on Next Page						
MCP GW-1 Standard						5	200	2	5	70					70	200		600	5	5	200	40		0.4	5		4000					3500	6300			3	4	10	5	100	2		70							
MCP GW-2 Standard						10	4000	9	900	1000	80				2000	7000		2000	5	5	7000	2000		10	200		50000					5000	50000			6	700	7	2	200	20		50							
MCP GW-3 Standard						50000	20000	50000	50000	20000	30000				50000	50000		2000	20000	50000	50000	50000		200	8000		50000					50000	50000			50000	50000	800	5000	1000	50000		20000							
Source Control Shallow Bedrock	EMW-11R1	79-89	Bedrock	6/1998	402.0	NA	<1	<0.2	<1	7	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1					
				2/2000	1,471.3	<2	<2	<2	<2	24	5.3	NA	<2	<5	<2	<5	<2	<2	NA	<2	NA	NA	<2	NA	NA	<2	NA	NA	NA	<2	NA	NA	NA	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2					
				9/2001	1,560.7	<5	<5	<5	<5	28	6.7	<5	<5	<5	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5	<5	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5					
				9/2002	4,531.0	<20	<20	<20	<20	88	29	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20					
				8/2003(*)	8,620.0	<100	<100	<100	<100	130	58 J	<100	<250	<100	<250	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100			
				12/2003	4,099.0	<40	<40	<40	<40	45	<40	<40	<40	<40	<40	<40	<40	<100	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40				
				3/2004	1,953.0	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<50	<20	<50	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<50	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20				
				6/2004	968.0	<10	<10	<10	<10	13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			
				9/2004	625.0	<10	<10	<10	<10	13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			
				12/2004	863.0	<10	<10	<10	<10	11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			
				3/2005	560.2	<4	<4	<4	<4	5	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			
				6/2005(1)	510.5	<4.0	<4.0	<4.0	<4.0	6.9	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0			
				9/2005	534.9	<4.0	<4.0	<4.0	<4.0	4.7	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0		
				5/2006	552.6	<5	<5	<5	<7.5	7.6	<5	<25	<25	<50	<25	<25	<25	<25	<25	<25	<25	<5	<18	<25	<25	<25	<25	<25	<25	<50	<25	<50	<25	<50	<50	<25	<25	<25	<5	<20	<10	<5	<5	<5	<10	<7.5	<25			
				11/2006	108.2	<0.50	<0.50	<0.50	<0.75	1	0.44 J	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.50	<1.8	<2.5	<2.5	<2.5	NA	<2.5	<2.5	<5.0	<2.5	<5.0	<2.5	<5.0	<5.0	<2.5	<2.5	<0.50	<2.0	<1.0	<0.50	<0.50	<0.50	<1.0	<0.75	<2.5			
				5/2007	442.5	<0.5	<0.5	<0.5	<0.75	5.5	1.3	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<1.8	<2.5	<2.5	<2.5	NA	<2.5	<2.5	<5.0	<2.5	<5.0	<2.5	<5.0	<5.0	<2.5	<2.5	<0.5	<2	<1	<0.5	<0.5	<0.5	<1	<0.75	<2.5				
				11/2007	124.8	<0.5	<0.5	<0.5	<0.75	1.6	0.5	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<1.8	<2.5	<2.5	<2.5	NA	<2.5	<2.5	<5	<2.5	<5	<2.5	<5	<5	<2.5	<2.5	<0.5	<2	<1	<0.5	<0.5	<0.5	<1	<0.75	<2.5				
				11/2008	179.5	<0.50	<0.50	<0.50	<0.75	3.3	1.0	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.50	<1.8	<2.5	<2.5	<2.5	NA	<2.5	<2.5	<5.0	<2.5	<5.0	<2.5	<5.0	<5.0	<2.5	<2.5	<0.50	<2.0	<1.0	<0.50	<0.50	<0.50	<1.0	<0.75	<2.5				
				11/2009	337.3	<2.5	<2.5	<2.5	<3.8	11.0	<2.5	<12	<12	<25	<12	<12	<25	<12	<12	<12	<12	<2.5	<8.8	<12	<12	<12	NA	<12	<12	<25	<12	<12	<25	<12	<25	<12	<25	<12	<12	<2.5	<10	<5.0	<2.5	<2.5	<2.5	<5.0	<3.8	<12		
				12/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
				11/2010	3,893.5	<1.0	<1.0	<1.0	<1.0	46	13	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
				BRW-1R2	46-66	Bedrock	8/2003(*)	825.0	<10	<10	<10	<10	20	<10	<10	<25	<10	<25	<10	<25	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		
							12/2003	1,580.0	<20	<20	<20	<20	25	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20		
							3/2004	1,024.0	<10	<10	<10	<10	15	<10	<10	<25	<10	<25	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
							6/2004	859.0	<20	<20	<20	<20	16J	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20		
							9/2004	830.0	<10	<10	<10	<10	15	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
							12/2004	423.0	<4	<4	<4	<4	14	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4		
							6/2005(1)	575.0	<10	<10	<10	<10	12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10														

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. All samples were analyzed via EPA Method 8260, except 1,4-dioxane(x), which was analyzed via EPA Method 8270C with isotope dilution.
3. B denotes detected in associated laboratory method blank.
4. "BDL" denotes all analytes are below given quantitation limits.
5. "J" denotes estimated value.
6. "NA" denotes sample not analyzed for the specified analyte.
7. UJ denotes estimated nondetect.
8. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
9. "PM" denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.
10. "***" denotes MCP Method 1 GW-1 and GW-2 standards for C9-C10 aromatic hydrocarbons used.
11. Values in Bold indicate the compound was detected.
12. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 (effective February 14, 2008). Exceedance of applicable Method 1 GW-1 Standard is indicated in bold and shaded type.
- (1) Estimated values below the quantitation limit ("J" values) were not reported for the June 2005 sampling event.

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

[illegible]

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. All samples were analyzed via EPA Method 8260, except 1,4-dioxane(SIM), which was analyzed via EPA Method 8270C with isotope dilution.
3. B denotes detected in associated laboratory method blank.
4. "BDL" denotes all analytes are below given quantitation limits.
5. "J" denotes estimated value.
6. "NA" denotes sample not analyzed for the specified analyte.
7. UJ denotes estimated nondetect.
8. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
9. "nM" denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.
10. "nM" denotes MCP Method 1 GW-1 and GW-2 standards for C9-C10 aromatic hydrocarbons used.
11. Values in Bold indicate the compound was detected.
12. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 (effective February 14, 2008). Exceedance of applicable Method 1 GW-1 Standard is indicated in bold and shaded type.
- (1)- Estimated values below the quantitation limit ("J" values) were not reported for the June 2005 sampling event.

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

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Chlorinated VOCs	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Diisopropyl ether	Ethylenedibromide	Fluorotrichloromethane	Hexachlorobutadiene	Isopropylbenzene**	Methylene chloride	n-Butylbenzene**	n-Propylbenzene**	p-Isopropyltoluene**	sec-Butylbenzene**	Styrene	tert-Butylbenzene**	Tetrachloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	Carbon disulfide	Diethyl ether	Ethyl Tertiary Butyl Ether	Ter-amyl-methyl ether (TAME)	Tetrahydrofuran	1,4-Dioxane	1,4-Dioxane (SIM)				
MCP GW-1 Standard						70	0.4				0.02		0.6	200	5	200	200	200	200	100	200	5	100	0.4	5	2							3	3			
MCP GW-2 Standard						100	10				2		1	7000	10000	7000	7000	7000	7000	100	7000	50	90	10	30	2							6000	6000			
MCP GW-3 Standard						50000	200				50000	3000	50000	50000	50000	50000	50000	50000	50000	6000	50000	30000	50000	200	5000	50000							50000	50000			
Source Control Deep Bedrock	TRC-401R	A: 40	Bedrock	9/2005	10,350.0	<100	NA	<100	<100	<100	<100	<100	<250	<100	50 J	<100	<100	<100	<100	<100	<100	<100	<100	NA	6200	<1000	<100	<100	<100	<100	<100	<100	<100	<5000	NA		
		B: 45		9/2005	11,090.0	<100	NA	<100	<100	<100	<100	<100	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	NA	6200	<100	<100	<100	<100	<100	<100	<100	<5000	NA		
		C: 50		9/2005	11,000.0	<100	NA	<100	<100	<100	<100	<100	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	NA	6100	<100	<100	<100	<100	<100	<100	<100	<5000	NA		
		D: 55		9/2005	10,540.0	<100	NA	<100	<100	<100	<100	<100	<100	<250	<100	50 J	<100	<100	<100	<100	<100	<100	<100	<100	<100	NA	6000	<100	<100	<100	<100	<100	<100	<100	<5000	NA	
		B: 45		5/2006	7,471.0	81	<50	<500	<500	<200	<200	<250	<60	<50	<500	<50	<50	<50	<50	<50	<50	<100	<250	1600	<75	<50	5600	<100	<500	<250	<200	<200	<1000	<25000	NA		
		B: 45		11/2006	2,483.0	80	<25	<250	<250	<100	<100	<120	<30	<25	46 J	<25	<25	<25	<25	<25	<25	<50	<120	440	<38	<25	1800	<50	<250	<120	<100	<100	<500	<12000	NA		
		B: 45		5/2007	4,589.9	150	<0.5	<5	<5	<2	<2	<2.5	<0.6	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<2.5	640	1.9	<0.5	3600	5.3	<5	<2.5	<2	<2	<10	<250	NA			
		B: 45		11/2007	1,299.0	140	<12	<120	<120	<50	<62	<15	<12	<120	<12	<120	<12	<12	<12	<12	<12	<25	<62	250	<19	<12	790	13 J	<120	<62	<50	<50	<250	<6200	NA		
		B: 45		11/2008	1,516.1	98	<0.50	<5.0	5.0 UJ	<2.0	<2.0	<2.5	<0.60	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	180	1.0	<0.50	1100	5.5	<5.0	<2.5	<2.0	<2.0	<1.0	<250	NA				
		B: 45		11/2009	4,552.0	150	<12	<120	120 UJ	<5.0	<62	<15	<12	<120	<12	<12	<12	<12	<12	<12	<12	<25	<62	500	<19	<12	3700	14 J	<120	<62	<50	<50	<250	<6200	NA		
		B: 45		11/2010	5,826.0	120	<12	<50	<50	<50	<50	<50	<15	<50	<50	<50	<50	<50	<50	<50	<50	<25	<50	960	<25	<12	4600	<25	<50	<50	<50	<50	<120	<6200	NA		
		EMW-11R2		104-114	Bedrock	6/1998	157.0	7	<1	NA	NA	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	100	<1	NA	NA	NA	NA	NA	NA	NA	NA
2/2000	4,708.9		100			<2	NA	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	8.9	<2	NA	1400	<2	NA	NA	NA	NA	NA	NA	NA		
9/2001	26,570.0		750			<23	<100	NA	NA	<100	<100	<500	<100	550	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	8200	<100	<21	17000	250	NA	NA	NA	NA	NA	NA	
9/2002	23,590.0		630			<100	<200	NA	NA	<200	<200	<200	<200	<1000	<200	<1000	<200	<200	<200	<200	<200	<200	<200	<200	<200	8200	<200	<100	14000	430	NA	NA	NA	NA	NA	NA	
8/2003(*)	10,623.0		6400			NA	<40	<40	<40	<40	<40	<100	<40	<100	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	27J	100	NA	2400	1500	NA	NA	NA	NA	NA	NA	NA	
12/2003	4,980.0		840			NA	<100	NA	<100	<100	<100	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	120	<100	NA	3900	120	<100	<100	<100	<100	NA	NA	
3/2004	3,258.0		250			NA	<40	<40	<40	<40	<40	<40	<40	<100	<40	<100	<100	<40	<100	<40	<100	<40	<100	<250	<40	NA	2700	58	<40	<40	<40	<40	<40	NA	NA		
6/2004	1,411.0		130			NA	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	160	<20	NA	1100	18J	<20	<20	<20	<20	<20	NA	NA
9/2004	987.0		500			NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NA	170	300	<10	<10	<10	<10	<10	NA	NA	
12/2004	1,291.0		130			NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NA	980	25	<10	<10	<10	<10	<10	NA	NA		
3/2005	1,511.0		110			NA	<20	<20	<20	<20	<20	<50	<20	<50	<20	<50	<20	<20	<20	<20	<20	<20	<20	<20	<20	NA	1200	31	<20	<20	<20	<20	<20	<20	NA	NA	
6/2005(1)	1,282.0		490			NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NA	580	180	<10	<10	<10	<10	<10	<500	NA		
9/2005	1,874.0		150			NA	<20	<20	<20	<20	<20	<20	<50	<20	<50	<20	<50	<20	<20	<20	<20	<20	<20	<20	<20	NA	1500	63	<20	<20	<20	<20	<20	<1000	NA		
5/2006	759.0		63			<5	<50	<50	<20	<20	<25	<6	<5	<50	<5	<5	<5	<5	<5	<5	<5	<10	<25	180	<7.5	<5	490	16	<50	<25	<20	<20	<100	<2500	NA		
11/2006	833.3		110			<5	<50	<50	<20	<20	<25	<6	<5	7.8 J	<5	<5	<5	<5	<5	<5	<5	<10	<25	69	1.9 J	<5	590	45	<50	<25	<20	<20	12 J	<2500	NA		
5/2007	472.1		220			<5	<50	<50	<20	<20	<25	<6	<5	<50	<5	<5	<5	<5	<5	<5	<5	<10	<25	2.4 J	4.4 J	<5	56	180	<50	<25	<20	<20	<100	<2500	NA		
11/2007	830.0		200			<5	<50	<50	<20	<20	<25	<6	<5	<50	<5	<5	<5	<5	<5	<5	<5	<10	<25	120	<7.5	<5	440	58	<50	<25	<20	<20	<100	<2500	4.0		
10/2008	NA		NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.6	
11/2008	1,263.9		330			<1.0	<10	10 UJ	<4.0	<4.0	<5.0	<1.2	<1.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	190	6.2	<1.0	580	120	<10	<5.0	<4.0	<4.0	<20	<500	NA		
11/2009	10,180.0		6500 J			25 UJ	250 UJ	250 UJ	100 UJ	100 UJ	120 UJ	30 UJ	25 UJ	250 UJ	25 UJ	250 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	50 UJ	120 UJ	25 UJ	140 J	25 UJ	180 J	3200 J	250 UJ	120 UJ	100 UJ	100 UJ	500 UJ	12000 UJ	NA	40.3	
12/2009	NA		NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
11/2010	11,452.0		8400			<25	<100	<100	<100	<100	<100	<30	<100	<100	<100	<100	<100	<100	<100	<100	<100	<50	<100	<50	140	<25	970	1800	<100	<100	<100	<100	<250	<12000	NA		
BRW-1R4	133-153		Bedrock			8/2003(*)	1,315.0	42	NA	<20	<20	<20	<20	<20	<50	<20	<50	<20	<20	<20	<20	<20	<20	<20	<20	<20	NA	1000	<20	NA	NA	NA	NA	NA	NA	NA	NA
						12/2003	1,736.0	60	NA	<20	NA	<20	<20	<20	<50	<20	<50	<20	<50	<20	<20	<20	<20	<20	<20	<20	<20	NA	1200	<20	<20	<20	<20	<20	<20	NA	NA
						3/2004	954.0	32	NA	<10	<10	<10	<10	<10	<10	<25	<25	<25	<10	<25	<10	<25	<320	<10	NA	590	<10	<10	<10	<10	<10	<10	<10	<10	NA	NA	
						6/2004	844.0	34	NA	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	NA	550	<20	<20	<20	<20	<20	NA	NA
						9/2004	779.0	27	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NA	540	<10	<10	<10	<10	<10	NA	NA

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. All samples were analyzed via EPA Method 8260, except 1,4-dioxane(SIM), which was analyzed via EPA Method 8270C with isotope dilution.
3. B denotes detected in associated laboratory method blank.
4. "BDL" denotes all analytes are below given quantitation limits.
5. "J" denotes estimated value.
6. "NA" denotes sample not analyzed for the specified analyte.
7. UJ denotes estimated nondetect.
8. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
9. "nM" denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.
10. "***" denotes MCP Method 1 GW-1 and GW-2 standards for C9-C10 aromatic hydrocarbons used.
11. Values in Bold indicate the compound was detected.
12. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 (effective February 14, 2008). Exceedance of applicable Method 1 GW-1 Standard is indicated in bold and shaded type.
- (1)- Estimated values below the quantitation limit ("J" values) were not reported for the June 2005 sampling event.

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

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Chlorinated VOCs	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene**	1,2-Dibromo-3-chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene**	1,3-Dichlorobenzene	1,3-Dichloropropene	1,3-Dichloropropene	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	Continued on Next Page									
MCP GW-1 Standard						5	200	2	5	70	7				70	200		600	5	5	200	40		0.4	5		4000					350	6300			3	4	10	5	100	2		70										
MCP GW-2 Standard						10	4000	9	900	1000	80				2000	7000		2000	5	3	7000	2000		10	200		50000					50000	50000			6	700	7	2	200	20		50										
MCP GW-3 Standard						50000	20000	50000	50000	20000	30000				50000	50000		2000	20000	50000	50000	50000		200	8000		50000					50000	50000			50000	50000	800	5000	1000	50000		20000										
Source Control Deep Bedrock	IP-02R3	72-92	Bedrock	8/2003(*)	9,980.0	<100	<100	<100	<100	180	<100	<100	<250	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<40	<100	<100	<100	<100	<100	<100	<100	150 J	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100								
				12/2003	3,046.0	<40	<40	<40	<40	110	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	<40	<40	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40							
				3/2004	3,209.0	<40	<40	<40	<40	120	<40	<40	<100	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40					
				6/2004	2,320.0	<40	<40	<40	<40	120	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40						
				9/2004	2,747.0	<40	<40	<40	<40	98	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40					
				12/2004	1,713.0	<20	<20	<20	<20	100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20					
				3/2005	1,603.0	<4.0	<4.0	<4.0	<4.0	77	12	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0					
				6/2005(1)	1,123.0	<20	<20	<20	<20	75	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20					
				9/2005	1,165.0	<20	<20	<20	<20	58	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20				
				5/2006	1,606.0	<12	<12	<12	<19	100	12	<62	<62	<120	<62	<62	<62	<62	<62	<62	<62	<62	<12	<44	<62	<62	<62	NA	<62	<62	<120	<62	<120	<62	<120	<62	<120	<62	<62	<12	<50	<25	<12	<12	<12	<12	<25	<19	<62	<62			
				11/2006	1,062.7	<12	<12	<12	<19	57	8.2 J	<62	<62	<120	<62	<62	<62	<62	<62	<62	<62	<62	<12	<44	<62	<62	<62	NA	<62	<62	<120	<62	<120	<62	<120	<62	<120	<62	<62	<12	<50	<25	<12	<12	<12	<25	5.3 J	<62	<62				
				5/2007	1,369.0	<12	<12	<12	<19	71	10 J	<62	<62	<120	<62	<62	<62	<62	<62	<62	<62	<62	<12	<44	<62	<62	<62	NA	<62	<62	<120	<62	<120	<62	<120	<62	<120	<62	<12	<50	<25	<12	<12	<12	<25	<19	<62	<62					
				11/2007	1,086.0	<12	<12	<12	<19	64	<12	<62	<62	<120	<62	<62	<62	<62	<62	<62	<62	<62	<12	<44	<62	<62	<62	NA	<62	<62	<120	<62	<120	<62	<120	<62	<120	<62	<62	<12	<50	<25	<12	<12	<12	<25	<19	<62	<62				
				12/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	IP-03R2	64-84	Bedrock	8/2003(*)	6,620.0	<100	<100	<100	<100	120	<100	<100	<250	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	160 J	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100				
				12/2003	5,050.0	<100	<100	<100	<100	110	<100	<100	<100	<100	<100	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100		
				3/2004	5,510.0	<100	<100	<100	<100	110	<100	<100	<100	<100	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
				6/2004	3,330.0	<100	<100	<100	<100	120	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	
				9/2004	3,316.0	<40	<40	<40	<40	110	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40			
				12/2004	3,569.0	<40	<40	<40	<40	110	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40							

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

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Chlorinated VOCs	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Diisopropyl ether	Ethylenedibromide	Fluorotrichloromethane	Hexachlorobutadiene	Isopropylbenzene**	Methylene chloride	n-Butylbenzene**	n-Propylbenzene**	p-Isopropyltoluene**	sec-Butylbenzene**	Styrene	tert-Butylbenzene**	Tetrachloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	Carbon disulfide	Diethyl ether	Ethyl Tertiary Butyl Ether	Tert-amyl-methyl ether (TAME)	Tetrahydrofuran	1,4-Dioxane	1,4-Dioxane (SIM)			
MCP GW-1 Standard						70	0.4				0.02		0.6	200	5	200	200	200	200	100	200	5	100	0.4	5	2							3	3		
MCP GW-2 Standard						100	10				2		1	7000	10000	7000	7000	7000	7000	100	7000	50	90	10	30	2							6000	6000		
MCP GW-3 Standard						50000	200				50000		3000	50000	50000	50000	50000	50000	50000	6000	50000	30000	50000	200	5000	50000							50000	50000		
Source Control Deep Bedrock	IP-02R3	72-92	Bedrock	8/2003(*)	9,980.0	90 J	NA	<100	<100	<100	<100	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	1400	<100	NA	8400	<100	NA	NA	NA	NA	NA	NA	NA	NA		
				12/2003	3,046.0	56	NA	<40	NA	NA	<40	<40	<100	<40	<100	<40	<40	<40	<40	<40	<40	<40	380	<40	NA	2500	<40	<40	<40	<40	<40	<40	NA	NA		
				3/2004	3,209.0	49	NA	<40	<40	<40	<40	<40	<40	<100	<100	<100	<40	<100	<100	<40	<100	340	<40	NA	2700	<40	<40	<40	<40	<40	<40	<40	NA	NA		
				6/2004	2,320.0	50	NA	<40	<40	<40	<40	<40	<40	<40	<40	<40	27 JB	<40	<40	<40	<40	<40	<40	250	<40	NA	1900	<40	<40	<40	<40	<40	<40	NA	NA	
				9/2004	2,747.0	49	NA	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	300	<40	NA	2300	<40	<40	<40	<40	<40	<40	NA	NA	
				12/2004	1,713.0	43	NA	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	170	<20	NA	1400	<20	<20	<20	<20	<20	<20	NA	NA	
				3/2005	1,603.0	34	NA	<4.0	<4.0	<4.0	<4.0	<4.0	<50	<4.0	<50	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	180	<4.0	NA	1300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA	NA	
				6/2005(1)	1,123.0	28	NA	<20	<20	<20	<20	<20	<20	<20	<20	<50	<20	<20	<20	<20	<20	<20	<20	110	<20	NA	910	<20	<20	<20	<20	<20	<20	<1000	NA	
				9/2005	1,165.0	26	NA	<20	<20	<20	<20	<20	<50	<20	<50	11 J	<20	<20	<20	<20	<20	<20	<20	130	<20	NA	940	<20	<20	<20	<20	<20	<20	<1000	NA	
				5/2006	1,606.0	44	<12	<120	<120	<50	<50	<62	<15	<12	<120	<12	<12	<12	<12	<12	<12	<12	<25	<62	150	<19	<12	1300	<25	<120	<62	<50	<50	<250	<6200	NA
				11/2006	1,062.7	26	<12	<120	<120	<50	<50	NA	6.2 J	<12	<120	<12	<12	<12	<12	<12	<12	<12	<25	<62	120	<19	<12	840	<25	3.5 J	<62	<50	<50	<250	<6200	NA
				5/2007	1,369.0	38	<12	<120	<120	<50	<50	<62	<15	<12	<120	<12	<12	<12	<12	<12	<12	<12	<25	<62	150	<19	<12	1100	<25	<120	<62	<50	<50	<250	<6200	NA
				11/2007	1,086.0	32	<12	<120	<120	<50	<50	<62	<15	<12	<120	<12	<12	<12	<12	<12	<12	<12	<25	<62	150	<19	<12	840	<25	<120	<62	<50	<50	<250	<6200	NA
				12/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.8
	IP-03R2	64-84	Bedrock	8/2003(*)	6,620.0	56 J	NA	<100	<100	<100	<100	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	1300	<100	NA	5200	<100	NA	NA	NA	NA	NA	NA	NA	NA		
				12/2003	5,050.0	<100	NA	<100	NA	NA	<100	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	940	<100	NA	4000	<100	<100	<100	<100	<100	<100	<100	NA	NA	
				3/2004	5,510.0	<100	NA	<100	<100	<100	<100	<100	<100	<100	<250	<250	<100	<250	<100	<250	<100	<250	<100	1300	<100	NA	4100	<100	<100	<100	<100	<100	<100	<100	NA	NA
				6/2004	3,330.0	50 J	NA	<100	<100	<100	<100	<100	<100	<100	<100	<100	72 JB	<100	<100	<100	<100	<100	<100	510	<100	NA	2700	<100	<100	<100	<100	<100	<100	NA	NA	
				9/2004	3,316.0	46	NA	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	360	<40	NA	2800	<40	<40	<40	<40	<40	<40	NA	NA	
				12/2004	3,569.0	59	NA	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	600	<40	NA	2800	<40	<40	<40	<40	<40	<40	NA	NA	
				3/2005	3,191.0	46	NA	<40	<40	<40	<40	<40	<100	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	450	<40	NA	2600	<40	<40	<40	<40	<40	<40	NA	NA	
				6/2005(1)	2,562.0	45	NA	<40	<40	<40	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	320	<40	NA	2100	<40	<40	<40	<40	<40	<40	<2000	NA	
				9/2005	2,603.0	50	NA	<40	<40	<40	<40	<40	<40	<100	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	360	<40	NA	2100	<40	<40	<40	<40	<40	<40	<2000	NA
				5/2006	1,846.0	43	<25	<250	<250	<100	<100	<120	<30	<25	<250	<25	<25	<25	<25	<25	<25	<25	<50	<120	210	<38	<25	1500	<50	<250	<120	<100	<100	<500	<12000	NA
				11/2006	1,790.3	<20	<20	<200	<200	<80	<80	<100	<24	<20	<200	<20	<20	<20	<20	<20	<20	<20	<40	<100	180	<30	<20	1500	<40	<200	<100	<80	<80	<400	<10000	NA
				5/2007	821.1	43	<20	<200	<200	<80	<80	<100	<24	<20	<200	<20	<20	<20	<20	<20	<20	<20	<40	<100	91	<30	<20	620	<40	<200	<100	<80	<80	<400	<10000	NA
				11/2007	815.0	43	<10	<100	<100	<40	<40	<50	<12	<10	<100	<10	<10	<10	<10	<10	<10	<10	<20	<50	89	<15	<10	620	<20	<100	<50	<40	<40	<200	<5000	NA
				12/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.7
	IP-04R3	80-115	Bedrock	8/2003(*)	6,220.0	58 J	NA	<100	<100	<100	<100	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	1100	<100	NA	5000	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				12/2003	4,970.0	<100	NA	<100	NA	NA	<100	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	860	<100	NA	4000	<100	<100	<100	<100	<100	<100	<100	NA	NA	
				3/2004	5,210.0	<100	NA	<100	<100	<100	<100	<100	<100	<250	<250	<100	<250	<100	<250	<100	<250	<100	<250	1000	<100	NA	4100	<100	<100	<100	<100	<100	<100	<100	NA	NA
				6/2004	4,570.0	<100	NA	<100	<100	<100	<100	<100	<100	<100	<100	<100	74 JB	<100	<100	<100	<100	<100	<100	850	<100	NA	3600	<100	<100	<100	<100	<100	<100	<100	NA	NA
				9/2004	4,134.0	44	NA	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	690	<40	NA	3300	<40	<40	<40	<40	<40	<40	<40	NA	NA
				12/2004	4,219.0	49	NA	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	760	<40	NA	3300	<40	<40	<40	<40	<4			

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Methyl tert-butyl ether (MTBE)	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatic	Naphthalene	2-Methylnaphthalene	Acenaphthylene
MCP GW-1 Standards						5	700	1,000	10,000	70	140		300	200	700		700	14,000	200	140	10	30
MCP GW-2 Standards						2,000	20,000	50,000	9,000	50,000	1,000		3,000	7,000	5,000		5,000		50,000	1,000	2,000	10,000
MCP GW-3 Standards						10,000	5,000	40,000	5,000	50,000	20,000		50,000	50,000	50,000		50,000	50,000	5,000	20,000	20,000	40
LTGMP Overburden	EMW-10D	19-29	Overburden	6/1998	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	BDL	<2	<2	<5	<2	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<0.5	<0.5	<0.75	<1	<1	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2008	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2009	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2010	BDL	<1.0	<1.0	<1.0	<2.0	<2.0 UJ	<5.0 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2010	BDL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2011	BDL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2012	BDL	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	EMW-10D (Peristaltic)			5/2012	BDL	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	EMW-11D	22-32	Overburden	6/1998	4.1	<1	<1	<1	<3	4.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	BDL	<2	<2	<5	<2	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<0.5	<0.5	<0.75	<1	<1	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2008	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2009	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2010	BDL	<1.0	<1.0	<1.0	<2.0	<2.0 UJ	<5.0 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2010	BDL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2011	0.7	<1.0	0.45 J	0.23 J	<2.0	<2.0	<2.0 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2012	BDL	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	EMW-11D DUP			5/2012	BDL	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	EMW-11D (Peristaltic)			5/2012	BDL	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-10	13-38	Overburden	5/2012	BDL	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	231.0	1.0	<0.2	<0.2	<0.3	230	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	61.0	<1	<1	<1	<2	61	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	9.6	<2	<2	<2	<6	9.6	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-14	39-49	Overburden	12/1995	20.0	<0.2	<0.2	<0.2	<0.3	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	10.0	<1	<1	<1	<3	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	19.0	<2	<2	<2	<2	19	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	16.0	<1	<1	<1	<2	16	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<0.5	<0.5	<0.75	<1	<1	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	1.0	<0.50	<0.50	<0.75	<1.0	0.99 J	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-14A	0-15	Overburden	12/1995	21.0	<0.2	<0.2	<0.2	<0.3	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	5.0	<1	<1	<1	<3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	14.0	<2	<2	<2	<2	14	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	9.8	<1	<1	<1	<2	9.8	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	2.0	<2	<2	<2	<6	2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	2.0	<2.0	<2.0	<2.0	<6.0	2	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	1.3	<0.5	<0.5	<0.75	<1	1.3	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-4	18-28	Overburden	12/1999	10.0	<2	<2	<2	<2	10	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	17.0	<1	<1	<1	<2	17	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	4.1	<2	<2	<2	<6	4	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	4.1	<2	<2	<2	<6	4	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	2.8	<2.0	<2.0	<2.0	<6.0	3	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	1.1	0.14J	<0.50	<0.75	<1.0	0.98J	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	2.6	<0.5	<0.5	<0.75	<1	2.6	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	1.7	<0.50	<0.50	<0.75	<1.0	1.7	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-4A	38-48	Overburden	12/1995	6.0	<0.2	<0.2	<0.2	<0.3	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Methyl tert-butyl ether (MTBE)	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatic	Naphthalene	2-Methylnaphthalene	Acenaphthylene
MCP GW-1 Standards						5	700	1,000	10,000	70	140		300	200	700		700	14,000	200	140	10	30
MCP GW-2 Standards						2,000	20,000	50,000	9,000	50,000	1,000		3,000	7,000	5,000		5,000		50,000	1,000	2,000	10,000
MCP GW-3 Standards						10,000	5,000	40,000	5,000	50,000	20,000		50,000	50,000	50,000		50,000	50,000	5,000	20,000	20,000	40
				11/2007	0.7	<0.5	<0.5	<0.75	<1	0.68 J	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	2.0	<0.50	<0.50	<0.75	<1.0	2.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW- 5	28-38	Overburden	12/1995	BDL	<0.2	<0.2	<0.2	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<0.5	<0.5	<0.75	<1	<1	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW- 7	15-25	Overburden	12/1995	BDL	<0.2	<0.2	<0.2	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<0.5	<0.5	<0.75	<1	<1	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).

2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.

3. "NA" denotes sample not analyzed for the specified analyte.

4. "BDL" denotes all analytes are below given quantitation limits.

5. "*)" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.

6. Values in Bold indicate the compound was detected.

7. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 (effective February 14, 2008). Exceedance of applicable Method 1 GW-1 Standard is indicated in bold

8. "J" Detected below lab quantitation limit, estimated value.

9. B denotes detected in associated laboratory method blank.

10. UJ denotes estimated nondetect.

(1)- Estimated values below the quantitation limit ("J" values) were not reported for the June 2005 sampling event.

L2005-090

Page 2 of 28

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Methyl tert-butyl ether (MTBE)	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatic	Naphthalene	2-Methylnaphthalene	Acenaphthylene
MCP GW-1 Standards						5	700	1,000	10,000	70	140		300	200	700		700	14,000	200	140	10	30
MCP GW-2 Standards						2,000	20,000	50,000	9,000	50,000	1,000		3,000	7,000	5,000		5,000		50,000	1,000	2,000	10,000
MCP GW-3 Standards						10,000	5,000	40,000	5,000	50,000	20,000		50,000	50,000	50,000		50,000	50,000	5,000	20,000	20,000	40
LTGMP Overburden	PS-1D	49.25-54.25	Overburden	12/1995	27.0	<0.2	<0.2	<0.2	<0.3	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	11.0	<1	<1	<1	<3	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	19.0	<2	<2	<2	<2	19	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	20.0	<1	<1	<1	<2	20	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	13.0	<2	<2	<2	<6	13	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	8.2	<2.0	<2.0	<2.0	<6.0	8	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	6.5	<0.5	<0.5	<0.75	<1	6.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2008	5.3	<0.50	<0.50	<0.75	<1.0	5.3	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2009	3.6	<0.50	<0.50	<0.75	<1.0	3.6	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	4.2	<0.50	<0.50	<0.75	<1.0	4.2	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2010	2.5	<1.0	<1.0	<1.0	<2.0	2.5 J	<5.0 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2010	1.8	<1.0	<1.0	<1.0	<2.0	1.8 J	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2011	2.4	<1.0	<1.0	<1.0	<2.0	2.4	<2.0 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2012	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-1D (Peristaltic)			5/2012	2.0	<1.0	<1.0	<1.0	<3.0	2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-1D DUP	49.25-54.25	Overburden	5/2011	2.7	<0.50	<1.0	<1.0	<2.0	2.7	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-1M	34.25-39.25	Overburden	12/1995	75.0	<0.2	<0.2	<0.2	<0.3	75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	25.0	<1	<1	<1	<3	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	BDL	<2	<2	<2	<2	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	36.0	<1	<1	<1	<2	36	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-1S	12-17	Overburden	9/2003(*)	35.0	<2	<2	<2	<6	35	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	8.0	<0.2	<0.2	<0.2	<0.3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	12.0	<1	<1	<1	<3	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	BDL	<2	<2	<2	<2	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-2D	49.1-54.1	Overburden	9/2001	35.0	<1	<1	<1	<2	35	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	36.0	<2	<2	<2	<6	36	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	13.0	<0.2	<0.2	<0.2	<0.3	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	2.0	<1	<1	<1	<3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	4.0	<2	<2	<2	<2	4	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	3.7	<1	<1	<1	<2	4	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-2M	34-39	Overburden	9/2003	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	1.9 J	<2.0	<2.0	<2.0	<6.0	1.9 J	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	1.2	<0.5	<0.5	<0.75	<1	1.2	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	3.0	<0.2	<0.2	<0.2	<0.3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	4.0	<1	<1	<1	<3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	11.0	<2	<2	<2	<2	11	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-3	2.7-5.7	Overburden	9/2001	11.0	<1	<1	<1	<2	11	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	7.0	<2	<2	<2	<6	7	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	7.0	<2.0	<2.0	<2.0	<6.0	7	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	6.4	<0.5	<0.5	0.40 J	<1	6.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-5D	24.1-29.1	Overburden	9/2001	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	5.5	<2	<2	<2	<6	6	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	10.0	<2.0	<2.0	<2.0	<6.0	10	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	8.8	<0.5	<0.5	0.84	0.35 J	7.6	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	8.9	<0.50	<0.50	0.88	<1.0	8	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/1995	BDL	<0.2	<0.2	<0.2	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	STM-8D	34.7-39.7	Overburden	9/2001	2.8	<1	<1	<1	<2	3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	1.8 J	<2.0	<2.0	<2.0	<6.0	1.8 J	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	0.4	<0.5	<0.5	<0.75	<1	0.40 J	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	0.8	<0.50	<0.50	<0.75	<1.0	0.83 J	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/1995	BDL	<0.2	<0.2	<0.2	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Methyl tert-butyl ether (MTBE)	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatic	Naphthalene	2-Methylnaphthalene	Acenaphthylene
MCP GW-1 Standards						5	700	1,000	10,000	70	140		300	200	700		700	14,000	200	140	10	30
MCP GW-2 Standards						2,000	20,000	50,000	9,000	50,000	1,000		3,000	7,000	5,000		5,000		50,000	1,000	2,000	10,000
MCP GW-3 Standards						10,000	5,000	40,000	5,000	50,000	20,000		50,000	50,000	50,000		50,000	50,000	5,000	20,000	20,000	40
	STM-8M	19.5-24.5	Overburden	12/1999	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	3.6	<1	<1	<1	<2	4	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	0.5	<0.5	<0.5	<0.75	<1	0.49 J	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	W-01	33.5-38.5	Overburden	6/1998	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TRC-402	53.3-63.3	PVC	11/2006	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<0.5	<0.5	<0.75	<1	<1	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	W-02	15-25	Overburden	6/1998	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TRC-403	37.5-47.5	PVC	11/2006	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<0.5	<0.5	<0.75	<1	<1	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	BDL	0.50 UJ	0.50 UJ	0.75 UJ	1.0 UJ	1.0 UJ	2.5 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "BDL" denotes all analytes are below given quantitation limits.
5. "*" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.

6. Values in Bold indicate the compound was detected.
7. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 (effective February 14, 2008). Exceedance of applicable Method 1 GW-1 Standard is indicated in bold
8. "J" Detected below lab quantitation limit, estimated value.
9. B denotes detected in associated laboratory method blank.
10. UJ denotes estimated nondetect.
(1)- Estimated values below the quantitation limit ("J" values) were not reported for the June 2005 sampling event.

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Methyl tert-butyl ether (MTBE)	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatic	Naphthalene	2-Methylnaphthalene	Acenaphthylene
MCP GW-1 Standards						5	700	1,000	10,000	70	140		300	200	700		700	14,000	200	140	10	30
MCP GW-2 Standards						2,000	20,000	50,000	9,000	50,000	1,000		3,000	7,000	5,000		5,000		50,000	1,000	2,000	10,000
MCP GW-3 Standards						10,000	5,000	40,000	5,000	50,000	20,000		50,000	50,000	50,000		50,000	50,000	5,000	20,000	20,000	40
LTGMP Overburden	GZA-105D	16-26	Overburden	11/1995	BDL	<50	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	BDL	<1	<1	<1	<2	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	BDL	<2	<2	<2	<2	<2	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<20	<20	<20	<40	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	BDL	<10	<10	<10	<20	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<0.5	<0.5	<0.75	<1	<1	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2008	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2009	BDL	<5.0	<5.0	<7.5	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	BDL	<12	<12	<19	<25	<25	<62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2010	BDL	<2.5	<2.5	<2.5	<5.0	<5.0 UJ	<12 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2010	BDL	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2011	BDL	<0.50	<1.0	<1.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2012	BDL	<50.0	<50.0	<50.0	<150.0	<50.0	<50.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-105D (Peristaltic)			5/2012	BDL	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-105D (Peristaltic) DUP			5/2012	BDL	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LTGMP Bedrock	EMW-10R	42-52	Bedrock	6/1998	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	BDL	<2	<2	<5	<2	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<0.5	<0.5	<0.75	<1	<1	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	EMW-11R3	158-168	Bedrock	6/1998	12.0	<1	<1	10	<3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	BDL	<20	<20	<20	<20	<50	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<50	<50	<50	<100	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	BDL	<50	<50	<50	<100	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<100	<100	<100	<300	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	13.0	<2.5	<2.5	<3.8	<5	<5	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	STM-8R	46.5-51.5	Bedrock	11/2009	BDL	<25	<25	<38	<50	<50	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/1995	BDL	<0.2	<0.2	<0.2	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	1.3 J	<2.0	<2.0	<2.0	<6.0	1.3 J	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-101R	36.5-38	Bedrock	11/2007	1.4	<0.5	<0.5	<0.75	<1	1.4	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	1.5	<0.50	<0.50	<0.75	<1.0	1.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	34.0	<0.2	<0.2	34	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	37.0	<1	<1	37	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	57.0	<1	<1	57	<2	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	14.0	<2	<2	14	<4	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	8.2	<5	<5	8.2	<40	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-102R2	25-26.5	Bedrock	11/2006	3.7	<10	<10	3.7J	<20	<20	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	5.3	<5	<5	5.3 J	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	5.0	0.39 J	<0.50	4.6	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	BDL	<100	<100	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	BDL	<1	<1	<1	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	BDL	<50	<50	<50	<50	<50	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<5	<5	<5	<20	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	BDL	<10	<10	<10	<20	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	BDL	<100	<100	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	35.0	8.0	<1	27.0	<2	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Methyl tert-butyl ether (MTBE)	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatic	Naphthalene	2-Methylnaphthalene	Acenaphthylene
MCP GW-1 Standards						5	700	1,000	10,000	70	140		300	200	700		700	14,000	200	140	10	30
MCP GW-2 Standards						2,000	20,000	50,000	9,000	50,000	1,000		3,000	7,000	5,000		5,000		50,000	1,000	2,000	10,000
MCP GW-3 Standards						10,000	5,000	40,000	5,000	50,000	20,000		50,000	50,000	50,000		50,000	50,000	5,000	20,000	20,000	40
	GZA-103R1	18-19	Bedrock	7/1999	511.0	<10	7	480	24	<10	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	1,574.0	<10	18	1,500	56	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	427.0	<5	23	340	64	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	171.8	<2	19	98	47	<2	7.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	144.2	<2.0	20	63	52	<2.0	9.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	126.8	0.99 J	20	48	50	<2.5	7.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	112.2	0.78	19	36	48	<1.0	8.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-103R2	28-29	Bedrock	12/1995	BDL	<50	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	9.0	<1	<1	9	<2	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	BDL	<20	<20	<20	<20	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<5	<5	<5	<4	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	48.8	5.8	<5	43	<10	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	25.0	<2	<2	25	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	12.9 J	<2.0	1.0 J	9.7	2.2 J	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	50.9	0.93	6.0	24	17	<1	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	49.6	0.96	3.7	31	13.9	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TRC-301R-C	66-172	Bedrock	8/2003(*)	BDL	<2	<2	<2	<6	<2	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	1.4 J	<2.0	<2.0	<2.0	<6.0	1.4 J	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	0.8	<0.5	<0.5	<0.75	<1	0.80 J	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	1.0	<0.50	<0.50	<0.75	<1.0	0.97 J	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

- Notes:
1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "BDL" denotes all analytes are below given quantitation limits.
5. "*" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.
6. Values in Bold indicate the compound was detected.
7. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 (effective February 14, 2008). Exceedance of applicable Method 1 GW-1 Standard is indicated in bold
8. "J" Detected below lab quantitation limit, estimated value.
9. B denotes detected in associated laboratory method blank.
10. UJ denotes estimated nondetect.
⁽¹⁾ Estimated values below the quantitation limit ("J" values) were not reported for the June 2005 sampling event.

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Methyl tert-butyl ether (MTBE)	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatic	Naphthalene	2-Methylnaphthalene	Acenaphthylene
MCP GW-1 Standards						5	700	1,000	10,000	70	140		300	200	700		700	14,000	200	140	10	30
MCP GW-2 Standards						2,000	20,000	50,000	9,000	50,000	1,000		3,000	7,000	5,000		5,000		50,000	1,000	2,000	10,000
MCP GW-3 Standards						10,000	5,000	40,000	5,000	50,000	20,000		50,000	50,000	50,000		50,000	50,000	5,000	20,000	20,000	40
Source Control Shallow Bedrock	GZA-105R	34.5-36.5	Bedrock	12/1995	BDL	<250	<250	<250	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	3.0	<1	<1	3	<2	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	BDL	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<50	<50	<50	<100	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	BDL	<100	<100	<100	<200	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003	BDL	<40	<40	<40	<120	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	BDL	<100	<100	<100	<300	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<100	<100	<100	<300	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	BDL	<100	<100	<100	<300	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	BDL	<200	<200	<200	<600	<200	<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	EMW-11R1	79-89	Bedrock	6/1998	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	BDL	<2	<2	<5	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<5	<5	<5	<10	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	BDL	<20	<20	<20	<40	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003(*)	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	BDL	<20	<20	<20	<60	<20	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	BDL	<4	<4	<4	<12	<4	<4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	BDL	<4.0	<4.0	<4.0	<12	<4.0	<4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<4.0	<4.0	<4.0	<12	<4.0	<4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	BDL	<5	<5	<7.5	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<0.5	<0.5	<0.75	<1	<1	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2008	BDL	<0.50	<0.50	<0.75	<1.0	<1.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	BDL	<2.5	<2.5	<3.8	<5.0	<5.0	<12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2010	BDL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	BRW-1R2	46-66	Bedrock	8/2003(*)	BDL	<10	<10	<10	<30	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	BDL	<10	<10	<10	<30	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	BDL	<4	<4	<4	<12	<4	<4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	BDL	<5	<5	<7.5	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	BDL	<5.0	<5.0	<7.5	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	BDL	<5	<5	<7.5	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<5	<5	<7.5	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IP-02R1	17.5-38	Bedrock	8/2003(*)	BDL	<40	<40	<40	<120	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	BDL	<40	<40	<40	<120	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	BDL	<40	<40	<40	<20	<40	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	BDL	<12	<12	<19	<25	<25	<62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	9.8	<10	<10	<15	<20	<20	9.8J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IP-04R1	38-48	Bedrock	5/2007	BDL	<10	<10	<15	<20	<20	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<10	<10	<15	<20	<20	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003(*)	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	BDL	<20	<20	<20	<60	<20	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	BDL	<10	<10	<10	<20	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Methyl tert-butyl ether (MTBE)	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatic	Naphthalene	2-Methylnaphthalene	Acenaphthylene
MCP GW-1 Standards						5	700	1,000	10,000	70	140		300	200	700		700	14,000	200	140	10	30
MCP GW-2 Standards						2,000	20,000	50,000	9,000	50,000	1,000		3,000	7,000	5,000		5,000		50,000	1,000	2,000	10,000
MCP GW-3 Standards						10,000	5,000	40,000	5,000	50,000	20,000		50,000	50,000	50,000		50,000	50,000	5,000	20,000	20,000	40
				5/2006	BDL	<5	<5	<7.5	<10	<10	<25	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
				11/2006	BDL	<2.5	<2.5	<3.8	<5.0	<5.0	<12	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
				5/2007	0.7	<2.5	<2.5	0.73 J	<5	<5	<12	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
				11/2007	BDL	<2.5	<2.5	<3.8	<5	<5	<12	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
	TRC-401R	A: 40	Bedrock	9/2005	BDL	<100	<100	<100	<300	<100	<100	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
		B: 45		9/2005	BDL	<100	<100	<100	<300	<100	<100	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
		C: 50		9/2005	BDL	<100	<100	<100	<300	<100	<100	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
		D: 55		9/2005	BDL	<100	<100	<100	<300	<100	<100	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
		B: 45		5/2006	BDL	<50	<50	<75	<100	<100	<250	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
		B: 45		11/2006	BDL	<25	<25	<38	<50	<50	<120	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
		B: 45		5/2007	1.2	0.24 J	<0.5	0.99	<1	<1	<2.5	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
		B: 45		11/2007	BDL	<12	<12	<19	<25	<25	<62	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
		B: 45		11/2008	0.4	<0.50	<0.50	0.38J	<1.0	<1.0	<2.5	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
		B: 45		11/2009	BDL	<12	<12	<19	<25	<25	<62	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
		B: 45		11/2010	BDL	<25	<25	<25	<50	<50	<50	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).

2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.

3. "NA" denotes sample not analyzed for the specified analyte.

4. "BDL" denotes all analytes are below given quantitation limits.

5. "*" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.

6. Values in Bold indicate the compound was detected.

7. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 (effective February 14, 2008). Exceedance of applicable Method 1 GW-1 Standard is indicated in bold

8. "J" Detected below lab quantitation limit, estimated value.

9. B denotes detected in associated laboratory method blank.

10. UJ denotes estimated nondetect.

⁽¹⁾- Estimated values below the quantitation limit ("J" values) were not reported for the June 2005 sampling event.

L2005-090

Page 8 of 28

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Methyl tert-butyl ether (MTBE)	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatic	Naphthalene	2-Methylnaphthalene	Acenaphthylene
MCP GW-1 Standards						5	700	1,000	10,000	70	140		300	200	700		700	14,000	200	140	10	30
MCP GW-2 Standards						2,000	20,000	50,000	9,000	50,000	1,000		3,000	7,000	5,000		5,000		50,000	1,000	2,000	10,000
MCP GW-3 Standards						10,000	5,000	40,000	5,000	50,000	20,000		50,000	50,000	50,000		50,000	50,000	5,000	20,000	20,000	40
Source Control Shallow Bedrock	EMW-11R2	104-114	Bedrock	6/1998	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	BDL	<2	<2	<5	<2	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	BDL	<100	<100	<100	<200	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	BDL	<200	<200	<200	<400	<200	<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003(*)	BDL	<40	<40	<40	<120	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	BDL	<40	<40	<40	<120	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	BDL	<5	<5	<7.5	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	BDL	<5.0	<5.0	<7.5	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	BDL	<5	<5	<7.5	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<5	<5	<7.5	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Source Control Deep Bedrock	BRW-1R4	133-153	Bedrock	8/2003(*)	BDL	<20	<20	<20	<60	<20	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	BDL	<10	<10	<10	<30	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	BDL	<5	<5	<7.5	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	BDL	<5.0	<5.0	<7.5	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	BDL	<5	<5	<7.5	<10	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<1	<1	<1.5	<2	<2	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IP-01R2	54-74	Bedrock	8/2003(*)	BDL	<200	<200	<200	<600	<200	<500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	BDL	<400	<400	<400	<1,200	<400	<1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	BDL	<400	<400	<400	<1200	<400	<400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<200	<200	<200	<600	<200	<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	BDL	<200	<200	<200	<600	<200	<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	BDL	<400	<400	<400	<1200	<400	<400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	BDL	<200	<200	<200	<600	<200	<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<100	<100	<100	<300	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	BDL	<100	<100	<150	<200	<200	<500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	BDL	<50	<50	<75	<100	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	BDL	<50	<50	<75	<100	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<50	<50	<75	<100	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2008	BDL	<20	<20	<30	<40	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	BDL	<12	<12	<19	<25	<25	<62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2010	BDL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IP-02R3	72-92	Bedrock	8/2003(*)	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	BDL	<40	<40	<40	<120	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	BDL	<40	<40	<40	<120	<40	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<40	<40	<40	<120	<40	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	BDL	<4	<4	<4	<60	<4	<4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	BDL	<12	<12	<19	<25	<25	<62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	BDL	<12	<12	<19	<25	<25	<62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	BDL	<12	<12	<19	<25	<25	<62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<12	<12	<19	<25	<25	<62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003(*)	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	BDL	<100	<100	<100	<200	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<40	<40	<40	<120	<40	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Methyl tert-butyl ether (MTBE)	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatic	Naphthalene	2-Methylnaphthalene	Acenaphthylene
MCP GW-1 Standards						5	700	1,000	10,000	70	140		300	200	700		700	14,000	200	140	10	30
MCP GW-2 Standards						2,000	20,000	50,000	9,000	50,000	1,000		3,000	7,000	5,000		5,000		50,000	1,000	2,000	10,000
MCP GW-3 Standards						10,000	5,000	40,000	5,000	50,000	20,000		50,000	50,000	50,000		50,000	50,000	5,000	20,000	20,000	40
	IP-03R2	64-84	Bedrock	12/2004	BDL	<40	<40	<40	<120	<40	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	BDL	<40	<40	<40	<120	<40	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	BDL	<40	<40	<40	<120	<40	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<40	<40	<40	<120	<40	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	BDL	<25	<25	<38	<50	<50	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	BDL	<20	<20	<30	<40	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	BDL	<20	<20	<30	<40	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<10	<10	<15	<20	<20	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IP-04R3	80-115	Bedrock	8/2003(*)	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	BDL	<100	<100	<100	<300	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<40	<40	<40	<120	<40	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	BDL	<40	<40	<40	<120	<40	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	BDL	<40	<40	<40	<120	<40	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	BDL	<40	<40	<40	<120	<40	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<40	<40	<40	<120	<40	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	BDL	<50	<50	<75	<100	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	BDL	<25	<25	<38	<50	<50	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	BDL	<25	<25	<38	<50	<50	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	BDL	<25	<25	<38	<50	<50	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

- Notes:
1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "BDL" denotes all analytes are below given quantitation limits.
5. "*" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.
6. Values in Bold indicate the compound was detected.
7. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 (effective February 14, 2008). Exceedance of applicable Method 1 GW-1 Standard is indicated in bold
8. "J" Detected below lab quantitation limit, estimated value.
9. B denotes detected in associated laboratory method blank.
10. UJ denotes estimated nondetect.
⁽¹⁾ Estimated values below the quantitation limit ("J" values) were not reported for the June 2005 sampling event.

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Methyl tert-butyl ether (MTBE)	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatic	Naphthalene	2-Methylnaphthalene	Acenaphthylene
MCP GW-1 Standards						5	700	1,000	10,000	70	140		300	200	700		700	14,000	200	140	10	30
MCP GW-2 Standards						2,000	20,000	50,000	9,000	50,000	1,000		3,000	7,000	5,000		5,000		50,000	1,000	2,000	10,000
MCP GW-3 Standards						10,000	5,000	40,000	5,000	50,000	20,000		50,000	50,000	50,000		50,000	50,000	5,000	20,000	20,000	40
Tank K	TRC-104	1-10	Overburden	11/2000	269.0	9	<5	<15	<10	260	<10	560	320	<70	240	NA	NA	NA	NA	NA	NA	NA
				9/2001	172.0	<5	<5	<15	22	150	<10	120	<240	<70	120	NA	NA	NA	NA	NA	NA	NA
				4/2002	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA
				9/2002	78.0	<5	<5	<15	<20	78	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA
				3/2003	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA
				9/2003	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA
				3/2004	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA
				9/2004	22.0	<5	<5	<5	<10	22	<10	BDL	<200	<100	<100	NA	NA	NA	NA	NA	NA	NA
				3/2005	BDL	<5	<5	<5	<10	<5	<10	BDL	<200	<100	<100	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<5.0	<5.0	<5.0	<10	<5.0	<10	BDL	<200	<100	<100	NA	NA	NA	NA	NA	NA	NA
				5/2006	BDL	<2	<2	<2	<2	<3	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				11/2006	BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				5/2007	BDL	<2	<2	<2	<2	<3	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				5/2008	BDL	<2	<2	<2	<2	<3	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				6/2009	BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				9/2009	BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				12/2009	BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	28.9	<50	<50	28.9 J	NA	NA	NA	NA	NA	NA	NA
				03/2010	BDL	<2	<2	<2	<2	<3	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
	TRC-106	2-12	Overburden	2/2001	9,591.0	300	730	3,400	5,000	51	110	20,000	10,000	6,100	3,900	NA	NA	NA	NA	NA	NA	NA
				9/2002	5,161.0	200	350	2,100	2,350	79	82	15,400	4,200	2,300	8,900	NA	NA	NA	NA	NA	NA	NA
				3/2003	280.0	11	24	95	150	<5	<10	1,100	340	220	540	NA	NA	NA	NA	NA	NA	NA
				9/2003	1,938.0	76	160	740	880	16	66	5,500	1,600	1,200	2,700	NA	NA	NA	NA	NA	NA	NA
				3/2004	7.8	<5	7.8	<15	<20	<5	<10	370	<240	120	250	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<5	<5	<5	<10	<5	<10	120	<200	<100	120	NA	NA	NA	NA	NA	NA	NA
				3/2005	BDL	<5	<5	<5	<10	<5	<10	BDL	<200	<100	<100	NA	NA	NA	NA	NA	NA	NA
				9/2005	316.7	7	54	52	175	6.7	22	870	220	530	120	NA	NA	NA	NA	NA	NA	NA
				5/2006	52.6	2.52	10.2	8.02	31.81	<3	<10	242	87.7	154	<50	NA	NA	NA	NA	NA	NA	NA
				11/2006	26.1	4.77	4.38	3.66	13.3	<3.0	<10	144	64.2	80	<50	NA	NA	NA	NA	NA	NA	NA
				5/2007	234.8	7.82	37.5	62.9	126.6	<3	<10	767	164	452	151	NA	NA	NA	NA	NA	NA	NA
				5/2008	25.4	<2	2.96	6.35	16.06	<3	<10	63	<50	62.5	<50	NA	NA	NA	NA	NA	NA	NA
	WE-4S	3-13	Overburden	11/2000	3,245.0	440	590	41	1,890	94	190	9,300	1,900	4,500	2,900	NA	NA	NA	NA	NA	NA	NA
				9/2001	490.0	27	42	<15	370	28	23	1,960	290	370	1,300	NA	NA	NA	NA	NA	NA	NA
				4/2002	154.0	10	15	<15	98	31	<10	500	<240	120	380	NA	NA	NA	NA	NA	NA	NA
				4/2002	332.0	27	40	<15	230	35	<10	1,190	<240	260	930	NA	NA	NA	NA	NA	NA	NA
				9/2002	13.0	<5	<5	<15	<20	13	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA
				3/2003	727.0	49	110	<15	505	37	26	3,180	340	840	2,000	NA	NA	NA	NA	NA	NA	NA
				9/2003	502.0	12	80	<15	377	<5	33	2,340	<240	840	1,500	NA	NA	NA	NA	NA	NA	NA
				3/2004	1,097.6	27	170	16	849	6.6	29	5,980	380	1,200	4,400	NA	NA	NA	NA	NA	NA	NA
				9/2004	1,394.1	31	230	5.6	1,000	7.5	120	2,890	490	2,400	<100	NA	NA	NA	NA	NA	NA	NA
				3/2005	87.0	<5	11	<5	76	<5	<10	230	<200	230	<100	NA	NA	NA	NA	NA	NA	NA
				9/2005	808.0	14	140	<5.0	585	<5.0	69	3,140	380	2,000	760	NA	NA	NA	NA	NA	NA	NA
				5/2006	25.8	<2	4.77	<2	21	<3	<10	79	<50	79.1	<50	NA	NA	NA	NA	NA	NA	NA
				11/2006	696.0	<10	89	<10	607	<15	<50	2,137	265	1,350	522	NA	NA	NA	NA	NA	NA	NA
				5/2007	539.3	<10	89.3	<10	450	<15	<50	1,720	<250	1,280	440	NA	NA	NA	NA	NA	NA	NA
				5/2008	488.6	<10	119	<10	319	<15	50.6	1,942	402	1,540	<250	NA	NA	NA	NA	NA	NA	NA
				11/2008	377.2	9.88 J	116	1.75 J	215	<15	34.6 J	1,887	392	1,080	415	NA	NA	NA	NA	NA	NA	NA
	WE-4SR	3-13	Overburden	6/2009	6.5	4.99	<2.0	<2.0	<2.0	1.52J	<10	154	60.6	55.6	38.1J	NA	NA	NA	NA	NA	NA	NA
				9/2009	5.1	1.21J	2.24	<2.0	1.65J	<3.0	<10	88	<50	56.1	31.7J	NA	NA	NA	NA	NA	NA	NA
				12/2009	BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	98	45.8 J	52.1	<50	NA	NA	NA	NA	NA	NA	NA
				03/2010	13.5	3.42	5.56	<2	4.52	<3	<10	53	<50	<50	52.9	NA	NA	NA	NA	NA	NA	NA
	WE-4D	20-30	Overburden	6/2009	BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				9/2009	BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				12/2009	BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				03/2010	BDL	<2	<2	<2	<2	<3	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
	TRC-105D	15-20	Overburden	6/2009	BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				9/2009	BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				12/2009	BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	30	<50	<50	30 J	NA	NA	NA	NA	NA	NA	NA
				03/2010	BDL	<2	<2	<2	<2	<3	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				11/2000	6,930.0	290	470	630	5,200	100	240	11,000	3,000	6,600	1,400	NA	NA	NA	NA	NA	NA	NA
				9/2001	974.0	81	96	23	680	32	62	7,600	1,000	1,900	4,							

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Methyl tert-butyl ether (MTBE)	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatic	Naphthalene	2-Methylnaphthalene	Acenaphthylene
MCP GW-1 Standards						5	700	1,000	10,000	70	140		300	200	700		700	14,000	200	140	10	30
MCP GW-2 Standards						2,000	20,000	50,000	9,000	50,000	1,000		3,000	7,000	5,000		5,000		50,000	1,000	2,000	10,000
MCP GW-3 Standards						10,000	5,000	40,000	5,000	50,000	20,000		50,000	50,000	50,000		50,000	50,000	5,000	20,000	20,000	40
	WE-07	2-12	Overburden	9/2002	215.0	32	49	<15	83	28	23	1,610	300	420	890	NA	NA	NA	NA	NA	NA	NA
				3/2003	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA
				8/2003	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA
				9/2003	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA
				3/2004	19.0	<5	<5	<15	<20	19	<10	130	<240	<70	130	NA	NA	NA	NA	NA	NA	NA
				9/2004	BDL	<5	<5	<5	<10	<5	<10	BDL	<200	<100	<100	NA	NA	NA	NA	NA	NA	NA
				3/2005	BDL	<5	<5	<5	<10	<5	<10	BDL	<200	<100	<100	NA	NA	NA	NA	NA	NA	NA
				9/2005	BDL	<5.0	<5.0	<5.0	<10	<5.0	<10	BDL	<200	<100	<100	NA	NA	NA	NA	NA	NA	NA
				5/2006	BDL	<2	<2	<2	<2	<3	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				11/2006	BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				5/2007	BDL	<2	<2	<2	<2	<3	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
				5/2008	BDL	<2	<2	<2	<2	<3	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA
	WE-07 DUP	12-Feb	Overburden	04/2010	BDL	<2	<2	<2	<2	<3	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).

2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.

3. "NA" denotes sample not analyzed for the specified analyte.

4. "BDL" denotes all analytes are below given quantitation limits.

5. "*" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.

6. Values in Bold indicate the compound was detected.

7. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 (effective February 14, 2008). Exceedance of applicable Method 1 GW-1 Standard is indicated in bold

8. "J" Detected below lab quantitation limit, estimated value.

9. B denotes detected in associated laboratory method blank.

10. UJ denotes estimated nondetect.

(1)- Estimated values below the quantitation limit ("J" values) were not reported for the June 2005 sampling event.

L2005-090

Page 12 of 28

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Methyl tert-butyl ether (MTBE)	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatic	Naphthalene	2-Methylnaphthalene	Acenaphthylene	
MCP GW-1 Standards						5	700	1,000	10,000	70	140		300	200	700		700	14,000	200	140	10	30	
MCP GW-2 Standards						2,000	20,000	50,000	9,000	50,000	1,000		3,000	7,000	5,000		5,000		50,000	1,000	2,000	10,000	
MCP GW-3 Standards						10,000	5,000	40,000	5,000	50,000	20,000		50,000	50,000	50,000		50,000	50,000	5,000	20,000	20,000	40	
Tank K	WE-08	2-17	Overburden	11/2000	5,673.0	120	110	30	5,280	13	120	13,800	2,000	6,900	4,900	NA	NA	NA	NA	NA	NA	NA	
				9/2001	347.0	<5	22	<15	311	<5	14	2,080	<240	580	1,500	NA	NA	NA	NA	NA	NA	NA	
				4/2002	661.0	20	39	<15	584	7	11	3,890	280	910	2,700	NA	NA	NA	NA	NA	NA	NA	
				9/2002	324.5	8.5	17	<15	238	61	<10	1,520	<240	420	1,100	NA	NA	NA	NA	NA	NA	NA	
				3/2003	7,188.0	110	290	<150	6,520	68	200	25,600	<2,400	6,600	19,000	NA	NA	NA	NA	NA	NA	NA	
				8/2003	1,925.0	44	180	45	1,550	12	94	11,120	920	3,000	7,200	NA	NA	NA	NA	NA	NA	NA	
				9/2003	222.1	7.1	32	<15	170	<5	13	1,390	<240	560	830	NA	NA	NA	NA	NA	NA	NA	
				3/2004	946.3	8.3	52	<15	846	13	27	5,760	460	1,400	3,900	NA	NA	NA	NA	NA	NA	NA	
				3/2004(*)	605.0	<5	<5	<15	590	<5	15	3,380	240	840	2,300	NA	NA	NA	NA	NA	NA	NA	
				9/2004	5,829.0	52	400	12	5,130	15	220	6,200	1,200	5,000	<100	NA	NA	NA	NA	NA	NA	NA	
				3/2005	385.0	<5	41	<5	320	<5	24	800	<200	800	<100	NA	NA	NA	NA	NA	NA	NA	
				9/2005	1,503.3	28	200	<5.0	1,130	5.3	140	6,480	880	4,100	1,500	NA	NA	NA	NA	NA	NA	NA	
				5/2006	BDL	<2	<2	<2	<2	<3	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	
				11/2006	BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	BDL	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	
				5/2007	252.8	<2	22.2	<2	219.13	<3	11.5	475	<50	321	154	NA	NA	NA	NA	NA	NA	NA	
				5/2008	3.7	<2	<2	<2	3.72	<3	<10	55	<50	<50	55.2	NA	NA	NA	NA	NA	NA	NA	
				4/2010	3.3	<2	<2	<2	3.29	<3	<10	61	<50	<50	60.8	NA	NA	NA	NA	NA	NA	NA	
	WE-09	2-12	Overburden	11/2000	5,890.0	430	520	1,800	2,700	150	290	17,000	4,700	8,000	4,300	NA	NA	NA	NA	NA	NA	NA	
				9/2001	9,920.0	160	670	<300	8,700	<100	390	56,000	<4,800	13,000	43,000	NA	NA	NA	NA	NA	NA	NA	
				4/2002	5,680.0	55	450	140	4,800	85	150	32,000	1,600	6,400	24,000	NA	NA	NA	NA	NA	NA	NA	
				9/2002	3,692.0	96	630	86	2,560	70	250	28,400	1,600	7,800	19,000	NA	NA	NA	NA	NA	NA	NA	
				3/2003	981.0	11	130	<30	770	15	55	6,220	520	1,900	3,800	NA	NA	NA	NA	NA	NA	NA	
				8/2003	1,107.0	24	190	42	719	12	120	8,570	770	2,900	4,900	NA	NA	NA	NA	NA	NA	NA	
				9/2003	1,760.0	25	250	62	1,270	13	140	9,940	640	3,400	5,900	NA	NA	NA	NA	NA	NA	NA	
				3/2004	875.9	8.9	160	<15	630	21	56	9,280	680	2,800	5,800	NA	NA	NA	NA	NA	NA	NA	
				3/2004(*)	BDL	<5	<5	<15	<20	<5	<10	150	<240	<70	150	NA	NA	NA	NA	NA	NA	NA	
				9/2004	784.6	16	200	8.5	393	7.1	160	3,510	610	2,900	<100	NA	NA	NA	NA	NA	NA	NA	
				3/2005	BDL	<5	<5	<5	<10	<5	<10	BDL	<200	<100	<100	NA	NA	NA	NA	NA	NA	NA	
				9/2005	212.0	8	130	<5.0	11	<5.0	63	2,220	500	1,400	320	NA	NA	NA	NA	NA	NA	NA	
				5/2006	75.9	<2	49.8	<2	5.25	<3	20.8	1,149	340	648	161	NA	NA	NA	NA	NA	NA	NA	
	11/2006	117.1	2.89	83.9	<2.0	9.25	<3.0	21.1	838	200	489	149	NA	NA	NA	NA	NA	NA	NA				
	5/2007	4.1	<2	4.11	<2	<2	<3	<10	80	<50	<50	80	NA	NA	NA	NA	NA	NA	NA				
	5/2008	10.2	<2	10.2	<2	<2	<3	<10	85	<50	84.5	<50	NA	NA	NA	NA	NA	NA	NA				
	Eastern Parking Lot	EMW-11S	1-11	Overburden	2/2000	BDL	<2	<2	<5	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
					12/2000	BDL	<5	<5	<15	<10	<5	<10	BDL	<240	<70	<100	BDL	<30	<40	<85	<5	NA	<5
					9/2001	BDL	<5	<5	<15	<10	<5	<10	BDL	<240	<70	<100	59	59	<41	<88	<5.2	NA	<5.2
					9/2002	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	50	50	<40	<86	<5.1	<5.1	<5.1
					9/2003	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	BDL	<31	<42	<88	<0.1	<0.1	<0.1
		GZA-105S	4-14	Overburden	12/2000	BDL	<5	<5	<15	<10	<5	<10	390	<240	120	270	210	210	<40	<85	<5	NA	<5
					9/2001	BDL	<5	<5	<15	<10	<5	<10	480	<240	310	170	147	98	49	<87	<5.1	NA	<5.1
9/2002					BDL	<5	<5	<15	<20	<5	<10	700	<240	550	150	97	97	<42	<89	<5.3	<5.3	<5.3	
9/2003					BDL	<5	<5	<15	<20	<5	<10	450	<240	140	310	81	81	<41	<87	<0.1	<0.1	<0.1	
9/2004					BDL	<5	<5	<5	<10	<5	<10	330	<200	200	130	180	180	<42	<88	<0.1	<0.1	<0.1	
9/2005					BDL	<5.0	<5.0	<5.0	<10	<5.0	<10	320	<200	170	150	61	61	<44	<93	<0.11	<0.11	<0.11	
11/2006					BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	335	<50	123	212	128	128	<104	<104	0.484	<0.417	<0.417	
11/2007					BDL	<2	<2	<2	<2	<3	<10	483	<50	184	299	785	785	<213	<213	<0.2	<0.2	<0.2	
11/2009		BDL	<2.0	<2.0	<2.0	<2.0	<3.0	<10	449	<50	212	237	82	82.1 J	<139	<139	0.12 J	<0.20	<0.20				
TRC-101		1.5-10.5	Overburden	12/2000	179.0	<5	33	<15	71	<5	75	1,900	<240	1,900	<100	BDL	<31	<42	<88	28	NA	<5.2	
				9/2001	144.0	<5	25	<15	54	<5	65	1,800	<240	1,800	<100	507	77	430	<89	27	NA	<5.3	
				9/2002	113.0	<5	24	<15	24	<5	65	5,200	<240	3,200	2,000	90	90	<42	<89	24	<5.2	<5.2	
				9/2003	58.0	<5	<5	<15	<20	<5	58	3,400	<240	1,500	1,900	85	85	<41	<87	23	2	<0.1	
TRC-102		2.25-12.25	Overburden	9/2004	133.8	<5	23	<5	20.8	<5	90	2,000	<200	2,000	<100	93	93	<41	<87	29	3.5	<0.1	
				12/2000	BDL	<5	<5	<15	<10	<5	<10	420	<240	150	270	BDL	<31	<42	<88	<5.2	NA	<5.2	
	9/2001			BDL	<5	<5	<15	<10	<5	<10	490	<240	230	260	66	66	<40	<85	<5	NA	<5		
	9/2002			BDL	<5	<5	<15	<20	<5	<10	480	<240	330	150	89	89	<42	<89	<5.2	<5.2	<5.2		
	9/2003			BDL	<5	<5	<15	<20	<5	<10	140	<240	<70	140	32	32	<40	<86	<0.1	<0.1	<0.1		
	9/2004			BDL	<5	<5	<5	<10	<5	<10	BDL	<200	<100	<100	37	37	<40	<85	0.19				

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Xylenes, Total	Methyl tert-butyl ether (MTBE)	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatic	Naphthalene	2-Methylnaphthalene	Acenaphthylene
MCP GW-1 Standards						5	700	1,000	10,000	70	140		300	200	700		700	14,000	200	140	10	30
MCP GW-2 Standards						2,000	20,000	50,000	9,000	50,000	1,000		3,000	7,000	5,000		5,000		50,000	1,000	2,000	10,000
MCP GW-3 Standards						10,000	5,000	40,000	5,000	50,000	20,000		50,000	50,000	50,000		50,000	50,000	5,000	20,000	20,000	40
	TRC-103	1.25-11.25	Overburden	12/2000	BDL	<5	<5	<15	<10	<5	<10	338	<240	98	240	BDL	<31	<42	<88	<5.2	NA	<5.2
				9/2001	BDL	<5	<5	<15	<10	<5	<10	320	<240	100	220	100	100	<40	<85	<5	NA	<5
				9/2002	BDL	<5	<5	<15	<20	<5	<10	202	<240	130	72	94	94	<41	<88	<5.2	<5.2	<5.2
				9/2003	BDL	<5	<5	<15	<20	<5	<10	214	<240	74	140	44	44	<40	<86	<0.1	<0.1	<0.1
END		END	END	END	END	END	END	END	END	END	END	END	END	END	END	END	END	END	END	END	END	

- Notes:
1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "BDL" denotes all analytes are below given quantitation limits.
5. "nd" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.
6. Values in Bold indicate the compound was detected.
7. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 (effective February 14, 2008). Exceedance of applicable Method 1 GW-1 Standard is indicated in bold
8. "J" Detected below lab quantitation limit, estimated value.
9. B denotes detected in associated laboratory method blank.
10. UJ denotes estimated nondetect.
(1)- Estimated values below the quantitation limit ("J" values) were not reported for the June 2005 sampling event.

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	<i>Acenaphthene</i>	<i>Fluorene</i>	<i>Phenanthrene</i>	<i>Anthracene</i>	<i>Fluoranthene</i>	<i>Pyrene</i>	<i>Benzo(a)anthracene</i>	<i>Chrysene</i>	<i>Benzo(b)fluoranthene</i>	<i>Benzo(k)fluoranthene</i>	<i>Benzo(a)pyrene</i>	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Dibenzo(a,h)anthracene</i>	<i>Benzo(g,h,i)perylene</i>
MCP GW-1 Standards					20	30	40	60	90	80	1	2	1	1	0.2	0.5	0.5	50
MCP GW-2 Standards																		
MCP GW-3 Standards					6,000	40	10,000	30	200	20	1,000	70	400	100	500	100	40	20
LTGMP Overburden	EMW-10D	19-29	Overburden	6/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	EMW-10D (Peristaltic)			5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	EMW-11D	22-32	Overburden	6/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	EMW-11D DUP			5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	EMW-11D (Peristaltic)			5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-10	13-38	Overburden	5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-14	39-49	Overburden	12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-14A	0-15	Overburden	12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-4	18-28	Overburden	12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-4A	38-48	Overburden	12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	<i>Acenaphthene</i>	<i>Fluorene</i>	<i>Phenanthrene</i>	<i>Anthracene</i>	<i>Fluoranthene</i>	<i>Pyrene</i>	<i>Benzo(a)anthracene</i>	<i>Chrysene</i>	<i>Benzo(b)fluoranthene</i>	<i>Benzo(k)fluoranthene</i>	<i>Benzo(a)pyrene</i>	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Dibenzo(a,h)anthracene</i>	<i>Benzo(g,h,i)perylene</i>
MCP GW-1 Standards					20	30	40	60	90	80	1	2	1	1	0.2	0.5	0.5	50
MCP GW-2 Standards																		
MCP GW-3 Standards					6,000	40	10,000	30	200	20	1,000	70	400	100	500	100	40	20
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW- 5	28-38	Overburden	12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW- 7	15-25	Overburden	12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit. and shaded type.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "BDL" denotes all analytes are below given quantitation limits.
5. "*" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	<i>Acenaphthene</i>	<i>Fluorene</i>	<i>Phenanthrene</i>	<i>Anthracene</i>	<i>Fluoranthene</i>	<i>Pyrene</i>	<i>Benzo(a)anthracene</i>	<i>Chrysene</i>	<i>Benzo(b)fluoranthene</i>	<i>Benzo(k)fluoranthene</i>	<i>Benzo(a)pyrene</i>	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Dibenzo(a,h)anthracene</i>	<i>Benzo(g,h,i)perylene</i>
MCP GW-1 Standards					20	30	40	60	90	80	1	2	1	1	0.2	0.5	0.5	50
MCP GW-2 Standards																		
MCP GW-3 Standards					6,000	40	10,000	30	200	20	1,000	70	400	100	500	100	40	20
LTGMP Overburden	PS-1D	49.25-54.25	Overburden	12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-1D (Peristaltic)			5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-1D DUP	49.25-54.25	Overburden	5/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-1M	34.25-39.25	Overburden	12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-1S	12-17	Overburden	12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-2D	49.1-54.1	Overburden	12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-2M	34-39	Overburden	11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-3	2.7-5.7	Overburden	9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PS-5D	24.1-29.1	Overburden	12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	STM-8D	34.7-39.7	Overburden	11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	<i>Acenaphthene</i>	<i>Fluorene</i>	<i>Phenanthrene</i>	<i>Anthracene</i>	<i>Fluoranthene</i>	<i>Pyrene</i>	<i>Benzo(a)anthracene</i>	<i>Chrysene</i>	<i>Benzo(b)fluoranthene</i>	<i>Benzo(k)fluoranthene</i>	<i>Benzo(a)pyrene</i>	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Dibenzo(a,h)anthracene</i>	<i>Benzo(g,h,i)perylene</i>
MCP GW-1 Standards					20	30	40	60	90	80	1	2	1	1	0.2	0.5	0.5	50
MCP GW-2 Standards																		
MCP GW-3 Standards					6,000	40	10,000	30	200	20	1,000	70	400	100	500	100	40	20
	STM-8M	19.5-24.5	Overburden	12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	W-01	33.5-38.5	Overburden	6/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TRC-402	53.3-63.3	PVC	11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	W-02	15-25	Overburden	6/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TRC-403	37.5-47.5	PVC	11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit. and shaded type.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "BDL" denotes all analytes are below given quantitation limits.
5. "(*)" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	<i>Acenaphthene</i>	<i>Fluorene</i>	<i>Phenanthrene</i>	<i>Anthracene</i>	<i>Fluoranthene</i>	<i>Pyrene</i>	<i>Benzo(a)anthracene</i>	<i>Chrysene</i>	<i>Benzo(b)fluoranthene</i>	<i>Benzo(k)fluoranthene</i>	<i>Benzo(a)pyrene</i>	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Dibenzo(a,h)anthracene</i>	<i>Benzo(g,h,i)perylene</i>
MCP GW-1 Standards					20	30	40	60	90	80	1	2	1	1	0.2	0.5	0.5	50
MCP GW-2 Standards																		
MCP GW-3 Standards					6,000	40	10,000	30	200	20	1,000	70	400	100	500	100	40	20
LTGMP Overburden	GZA-105D	16-26	Overburden	11/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-105D (Peristaltic)			5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-105D (Peristaltic) DUP			5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LTGMP Bedrock	EMW-10R	42-52	Bedrock	6/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	EMW-11R3	158-168	Bedrock	6/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	STM-8R	46.5-51.5	Bedrock	11/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-101R	36.5-38	Bedrock	12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-102R2	25-26.5	Bedrock	11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	<i>Acenaphthene</i>	<i>Fluorene</i>	<i>Phenanthrene</i>	<i>Anthracene</i>	<i>Fluoranthene</i>	<i>Pyrene</i>	<i>Benzo(a)anthracene</i>	<i>Chrysene</i>	<i>Benzo(b)fluoranthene</i>	<i>Benzo(k)fluoranthene</i>	<i>Benzo(a)pyrene</i>	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Dibenzo(a,h)anthracene</i>	<i>Benzo(g,h,i)perylene</i>
MCP GW-1 Standards					20	30	40	60	90	80	1	2	1	1	0.2	0.5	0.5	50
MCP GW-2 Standards																		
MCP GW-3 Standards					6,000	40	10,000	30	200	20	1,000	70	400	100	500	100	40	20
	GZA-103R1	18-19	Bedrock	7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GZA-103R2	28-29	Bedrock	11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TRC-301R-C	66-172	Bedrock	11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit. and shaded type.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "BDL" denotes all analytes are below given quantitation limits.
5. "*" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	<i>Acenaphthene</i>	<i>Fluorene</i>	<i>Phenanthrene</i>	<i>Anthracene</i>	<i>Fluoranthene</i>	<i>Pyrene</i>	<i>Benzo(a)anthracene</i>	<i>Chrysene</i>	<i>Benzo(b)fluoranthene</i>	<i>Benzo(k)fluoranthene</i>	<i>Benzo(a)pyrene</i>	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Dibenzo(a,h)anthracene</i>	<i>Benzo(g,h,i)perylene</i>
MCP GW-1 Standards					20	30	40	60	90	80	1	2	1	1	0.2	0.5	0.5	50
MCP GW-2 Standards																		
MCP GW-3 Standards					6,000	40	10,000	30	200	20	1,000	70	400	100	500	100	40	20
Source Control Shallow Bedrock	GZA-105R	34.5-36.5	Bedrock	12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	EMW-11R1	79-89	Bedrock	6/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	BRW-1R2	46-66	Bedrock	8/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IP-02R1	17.5-38	Bedrock	3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IP-04R1	38-48	Bedrock	8/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	<i>Acenaphthene</i>	<i>Fluorene</i>	<i>Phenanthrene</i>	<i>Anthracene</i>	<i>Fluoranthene</i>	<i>Pyrene</i>	<i>Benzo(a)anthracene</i>	<i>Chrysene</i>	<i>Benzo(b)fluoranthene</i>	<i>Benzo(k)fluoranthene</i>	<i>Benzo(a)pyrene</i>	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Dibenzo(a,h)anthracene</i>	<i>Benzo(g,h,i)perylene</i>
MCP GW-1 Standards					20	30	40	60	90	80	1	2	1	1	0.2	0.5	0.5	50
MCP GW-2 Standards																		
MCP GW-3 Standards					6,000	40	10,000	30	200	20	1,000	70	400	100	500	100	40	20
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TRC-401R	A: 40	Bedrock	9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		B: 45		9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		C: 50		9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		D: 55		9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		B: 45		5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		B: 45		11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		B: 45		5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		B: 45		11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		B: 45		11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		B: 45		11/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		B: 45		11/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

- Notes:
1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
 2. "<" denotes analyte was not detected at concentrations above the given quantitation limit. and shaded type.
 3. "NA" denotes sample not analyzed for the specified analyte.
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Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	<i>Acenaphthene</i>	<i>Fluorene</i>	<i>Phenanthrene</i>	<i>Anthracene</i>	<i>Fluoranthene</i>	<i>Pyrene</i>	<i>Benzo(a)anthracene</i>	<i>Chrysene</i>	<i>Benzo(b)fluoranthene</i>	<i>Benzo(k)fluoranthene</i>	<i>Benzo(a)pyrene</i>	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Dibenzo(a,h)anthracene</i>	<i>Benzo(g,h,i)perylene</i>
MCP GW-1 Standards					20	30	40	60	90	80	1	2	1	1	0.2	0.5	0.5	50
MCP GW-2 Standards																		
MCP GW-3 Standards					6,000	40	10,000	30	200	20	1,000	70	400	100	500	100	40	20
Source Control Shallow Bedrock	EMW-11R2	104-114	Bedrock	6/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Source Control Deep Bedrock	BRW-1R4	133-153	Bedrock	8/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IP-01R2	54-74	Bedrock	8/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IP-02R3	72-92	Bedrock	11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	<i>Acenaphthene</i>	<i>Fluorene</i>	<i>Phenanthrene</i>	<i>Anthracene</i>	<i>Fluoranthene</i>	<i>Pyrene</i>	<i>Benzo(a)anthracene</i>	<i>Chrysene</i>	<i>Benzo(b)fluoranthene</i>	<i>Benzo(k)fluoranthene</i>	<i>Benzo(a)pyrene</i>	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Dibenzo(a,h)anthracene</i>	<i>Benzo(g,h,i)perylene</i>
MCP GW-1 Standards					20	30	40	60	90	80	1	2	1	1	0.2	0.5	0.5	50
MCP GW-2 Standards																		
MCP GW-3 Standards					6,000	40	10,000	30	200	20	1,000	70	400	100	500	100	40	20
	IP-03R2	64-84	Bedrock	12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IP-04R3	80-115	Bedrock	8/2003(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2005(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit. and shaded type.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "BDL" denotes all analytes are below given quantitation limits.
5. "*" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	<i>Acenaphthene</i>	<i>Fluorene</i>	<i>Phenanthrene</i>	<i>Anthracene</i>	<i>Fluoranthene</i>	<i>Pyrene</i>	<i>Benzo(a)anthracene</i>	<i>Chrysene</i>	<i>Benzo(b)fluoranthene</i>	<i>Benzo(k)fluoranthene</i>	<i>Benzo(a)pyrene</i>	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Dibenzo(a,h)anthracene</i>	<i>Benzo(g,h,i)perylene</i>
MCP GW-1 Standards					20	30	40	60	90	80	1	2	1	1	0.2	0.5	0.5	50
MCP GW-2 Standards																		
MCP GW-3 Standards					6,000	40	10,000	30	200	20	1,000	70	400	100	500	100	40	20
Tank K	TRC-104	1-10	Overburden	11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				03/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TRC-106	2-12	Overburden	2/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	WE-4S	3-13	Overburden	11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	WE-4SR	3-13	Overburden	11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	WE-4D	20-30	Overburden	03/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TRC-105D	15-20	Overburden	03/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				03/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	<i>Acenaphthene</i>	<i>Fluorene</i>	<i>Phenanthrene</i>	<i>Anthracene</i>	<i>Fluoranthene</i>	<i>Pyrene</i>	<i>Benzo(a)anthracene</i>	<i>Chrysene</i>	<i>Benzo(b)fluoranthene</i>	<i>Benzo(k)fluoranthene</i>	<i>Benzo(a)pyrene</i>	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Dibenzo(a,h)anthracene</i>	<i>Benzo(g,h,i)perylene</i>
MCP GW-1 Standards					20	30	40	60	90	80	1	2	1	1	0.2	0.5	0.5	50
MCP GW-2 Standards																		
MCP GW-3 Standards					6,000	40	10,000	30	200	20	1,000	70	400	100	500	100	40	20
	WE-07	2-12	Overburden	9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				4/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	WE-07 DUP	12-Feb	Overburden	04/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit. and shaded type.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "BDL" denotes all analytes are below given quantitation limits.
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Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	<i>Acenaphthene</i>	<i>Fluorene</i>	<i>Phenanthrene</i>	<i>Anthracene</i>	<i>Fluoranthene</i>	<i>Pyrene</i>	<i>Benzo(a)anthracene</i>	<i>Chrysene</i>	<i>Benzo(b)fluoranthene</i>	<i>Benzo(k)fluoranthene</i>	<i>Benzo(a)pyrene</i>	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Dibenzo(a,h)anthracene</i>	<i>Benzo(g,h,i)perylene</i>
MCP GW-1 Standards					20	30	40	60	90	80	1	2	1	1	0.2	0.5	0.5	50
MCP GW-2 Standards																		
MCP GW-3 Standards					6,000	40	10,000	30	200	20	1,000	70	400	100	500	100	40	20
Tank K	WE-08	2-17	Overburden	11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				4/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	WE-09	2-12	Overburden	11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004(*)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Eastern Parking Lot	EMW-11S	1-11	Overburden	2/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
				9/2001	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
				9/2002	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
				9/2003	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	GZA-105S	4-14	Overburden	12/2000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
				9/2001	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
				9/2002	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
				9/2003	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
				9/2004	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
				9/2005	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
				11/2006	<0.417	<0.417	<0.417	<0.417	<0.417	<0.417	<0.417	<0.417	<0.417	<0.417	<0.200	<0.417	<0.417	<0.417
				11/2007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
				11/2009	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	TRC-101	1.5-10.5	Overburden	12/2000	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
				9/2001	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
				9/2002	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
				9/2003	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
				9/2004	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TRC-102	2.25-12.25	Overburden	12/2000	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
				9/2001	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
				9/2002	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
				9/2003	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
				9/2004	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
				9/2005	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
				11/2006	<0.417	<0.417	<0.417	<0.417	<0.417	<0.417	<0.417	<0.417	<0.417	<0.417	<0.200	<0.417	<0.417	<0.417
				11/2007	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
				11/2009	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Table 2-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene	
MCP GW-1 Standards					20	30	40	60	90	80	1	2	1	1	0.2	0.5	0.5	50	
MCP GW-2 Standards																			
MCP GW-3 Standards					6,000	40	10,000	30	200	20	1,000	70	400	100	500	100	40	20	
	TRC-103	1.25-11.25	Overburden	12/2000	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	
				9/2001	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
				9/2002	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
				9/2003	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
END		END	END		END	END	END	END	END	END	END	END	END	END	END	END	END	END	

- Notes:
1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
 2. "<" denotes analyte was not detected at concentrations above the given quantitation limit. and shaded type.
 3. "NA" denotes sample not analyzed for the specified analyte.
 4. "BDL" denotes all analytes are below given quantitation limits.
 5. "*" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.

Table 2-4 Groundwater Data Summary - Arsenic and DHC

Well ID	Sampling Condition	qDHC (cells/ml)	Total Arsenic (ug/L)	Dissolved Arsenic (ug/L)
PS-1D	Low flow/PP	58.2	9.8	10.0
GZA-105D	Low flow/PP	2,350	96.8	95.3
GZA-105D	Low flow/PP Duplicate	NM	94.8	95.4
EMW-10D	Low flow/PP	31.1	27.4	10.4
EMW-11D	Low flow/PP	24.0	278	285
Trip Blank	NA	NM	NM	NM
Reportable Detection Limit		NA	4.0	4.0
MassDEP GW-1		NE	10	10
MassDEP GW-2		NE	NE	NE
MassDEP GW-3		NE	900	900
MassDEP Drinking Water Guideline or Mass. MCL		NE	10	10

Notes:

PP = peristaltic pump

NM = Not measured

NA = Not applicable

ND = Not detected at the reportable detection limit; ND (#) = not detectable wh

** Result from repeat sample

NE = Not established

Table 3-1
Summary of LNAPL Observations and Removal
Wells PZ-2S, CW-1, CW-2, and TRC-101
Former GE Site
Wilmington, Massachusetts

Date	PZ-2S				CW-1				CW-2				TRC-101			
	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)
4/15/1994	(1)	(1)	0.85	(2)	(3)				(3)				(3)			
6/20/1994	(1)	(1)	0.22	(2)	(3)				(3)				(3)			
12/14/1994	(1)	(1)	0.39	(2)	(3)				(3)				(3)			
6/14/1995	(1)	(1)	0	(2)	(3)				(3)				(3)			
12/19/1995	(1)	(1)	0.25	(2)	(3)				(3)				(3)			
6/10/1996	(1)	(1)	0.21	(2)	(3)				(3)				(3)			
12/9/1996	(1)	(1)	0.83	(2)	(3)				(3)				(3)			
6/30/1997	(1)	(1)	0.17	(2)	(3)				(3)				(3)			
12/29/1997	(1)	(1)	0	(2)	(3)				(3)				(3)			
9/11/1998	(1)	(1)	0.15	(2)	(3)				(3)				(3)			
12/23/1998	6.8	5.81	0.99	(2)	(3)				(3)				(3)			
6/23/1999	6.95	6.84	0.11	(2)	(3)				(3)				(3)			
12/6/1999	7.5	6.2	1.3	0.2	(3)				(3)				(3)			
12/20/1999	7.65	6.15	1.5	0.26	(3)				(3)				(3)			
12/29/1999	6.72	6.12	0.6	0.13	(3)				(3)				(3)			
1/4/2000	6.75	6.22	0.53	0.13	(3)				(3)				(3)			
1/10/2000	6.61	5.98	0.63	0.13	(3)				(3)				(3)			
1/18/00 ⁽⁴⁾	6.01	5.95	0.06	0.13	(3)				(3)				(3)			
1/25/2000	6.74	6.14	0.6	0.13	(3)				(3)				(3)			
5/8/00*	5.5	5.31	0.19	0.01	(3)				(3)				(3)			
6/9/2000	5.65	5.45	0.2	0.01	(3)				(3)				(3)			
7/7/2000	6.95	6.45	0.5	0.02	(3)				(3)				(3)			
8/2/2000	6.72	5.82	0.9	0.04	(3)				(3)				(3)			
9/12/2000	6.05	5.95	0.1	0.01	(3)				(3)				(3)			
10/9/2000	7.1	6.6	0.5	0.03	(3)				(3)				(3)			
11/8/2000	6.7	6.5	0.2	0.01	NM				NM				(3)			
12/5/00 ⁽⁵⁾	5.29	NA	0	0	NM				NM				NM			
12/7/2000	6.08 ⁽⁶⁾	NA	0	0	4.50 ⁽⁶⁾	NA	0	0	4.29 ⁽⁶⁾	NA	0	0	NM			
1/16/2001	6.53 ⁽⁵⁾	NA	0	0	NM				NM				NM			
1/19/2001	6.33 ⁽⁶⁾	NA	0	0	4.62	NA	0	0	4.4	NA	0	0	NM			
2/15/2001	5.5	NA	0	0	3.99 ⁽⁶⁾	NA	0	0	3.79 ⁽⁶⁾	NA	0	0	NM			
3/9/2001	5.65 ⁽⁶⁾	NA	0	0	4.15 ⁽⁶⁾	NA	0	0	3.93 ⁽⁶⁾	NA	0	0	NM			
4/01	5.45	NA	0	0	3.98 ⁽⁶⁾	NA	0	0	3.79 ⁽⁶⁾	NA	0	0	NM			
5/24/2001	6.25	NA	0	0	4.53 ⁽⁶⁾	NA	0	0	4.2 ⁽⁶⁾	NA	0	0	NM			
8/6/2001	6.1	NA	0	0	3.36	3.35	0.01	0	4.56	4.55	0.01	0	NM			
10/4/2001	6.85	NA	0	0	5.15 ⁽⁶⁾	NA	0	0	4.94	4.93	0.01	0	NM			
11/1/2001	7.05	7.04	0.01	0	5.2	NA	0	0	5.2	NA	0	0	NM			
11/29/2001	7.22	NA	0	0	6.4	NA	0	0	6.32	NA	0	0	NM			
12/19/2001	5.59	5.14	0.45	0	4.69	NA	0	0	4.48	NA	0	0	NM			
1/9/2002	NA	NA	NA	0.26	NA	NA	0	0	NA	NA	0	0	NM			
1/29/2002	6.25	6.1	0.15	0	4.6	NA	0	0	4.46	NA	0	0	NM			
2/18/2002	LNAPL removed via vacuum extraction at PZ-2S, CW-1, and CW-2.												NM			
2/21/2002	Tank Farm System is turned off. Booms are removed from CW-1 and CW-2.												NM			
2/21/2002	6.1	NA	0	0	4.44	NA	0	0	4.2	NA	0	0	NM			
3/21/2002	5.93	NA	0	0	4.26	NA	0	0	4.08	NA	0	0	NM			
4/30/2002	5.67	NA	0	0	4.15	NA	0	0	3.91	NA	0	0	NM			
5/24/2002	5.4	NA	0	0	4.07	NA	0	0	3.82	NA	0	0	NM			
6/27/2002	6.22	NA	0	0	4.61	NA	0	0	4.38	NA	0	0	NM			
Monitoring Frequency Increased to Weekly																
7/30/2002	6.60	NA	0	0	4.97 ⁽⁶⁾	4.91	0.06	0	4.74 ⁽⁶⁾	4.68	0.06	0	NM	NM	NA	0
8/6/2002	6.76	NA	0	0	5.13 ⁽⁶⁾	5.06	0.07	0	4.93 ⁽⁶⁾	4.84	0.09	0	6.58	6.42	0.16	0
8/9/2002	LNAPL removed via vacuum extraction at PZ-2S, CW-1, CW-2, and TRC-101.															

Table 3-1
Summary of LNAPL Observations and Removal
Wells PZ-2S, CW-1, CW-2, and TRC-101
Former GE Site
Wilmington, Massachusetts

Date	PZ-2S				CW-1				CW-2				TRC-101			
	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)
8/23/2002	NA	NA	0	0	NA	NA	0.003	0.05	NA	NA	0.003	0.025	NA	NA	0.001	0
8/29/2002	7.57	7.18	0.39	0.13	5.65 ⁽⁶⁾	5.56	0.09	0.13	5.44	5.34	0.10	0.13	6.97	6.96	0.01	0
9/4/2002	LNAPL removed via vacuum extraction at PZ-2S, CW-1, CW-2, and TRC-101.															
9/4/2002	6.95	6.71	0.24	0	5.15 ⁽⁶⁾	5.10	0.05	0	4.92	4.88	0.04	0	6.49	NA	0	0
9/12/2002	7.20	NA	0	0	5.52 ⁽⁶⁾	NA	0	0	5.31	NA	0	0	6.92	NA	0	0
9/18/2002	7.31	7.18	0.13	0.11	6.54 ⁽⁶⁾	6.45	0.09	0.04	6.37	6.25	0.12	0.05	6.87	NA	0	0
9/25/2002	6.85 ⁽⁶⁾	6.85	0	0	5.28 ⁽⁶⁾	5.19	0.09	1.50	5.03	4.98	0.05	0.13	6.60	NA	0	0
10/4/2002	6.88	6.85	0.03	0	5.28 ⁽⁶⁾	5.20	0.08	0	5.04	4.98	0.06	0	6.60	NA	0	0
10/11/2002	7.07	7.04	0.03	0	5.44 ⁽⁶⁾	5.34	0.10	0	5.21	5.12	0.09	0	6.75	NA	0	0
10/18/2002	6.28	6.23	0.05	0	4.82 ⁽⁶⁾	4.77	0.05	0	4.57	4.56	0.01	0	6.17	NA	0	0
10/24/2002	6.48	NA	0	0	4.88 ⁽⁶⁾	NA	0	0	4.65 ⁽⁶⁾	NA	0	0	6.27	NA	0	0
11/8/2002	6.13	6.10	0.03	0	4.59 ⁽⁶⁾	4.56	0.03	0	4.33	4.32	0.01	0	5.95	NA	0	0
11/15/2002	5.88	NA	0	0	4.39 ⁽⁶⁾	NA	0	0	4.17	NA	0	0	5.80	NA	0	0
11/20/2002	5.09	5.07	0.02	0.01	4.00 ⁽⁶⁾	NA	0	0	3.78 ⁽⁶⁾	NA	0	0	5.41	NA	0	0
11/27/2002	5.45	NA	0	0	4.11 ⁽⁶⁾	NA	0	0	3.95 ⁽⁶⁾	NA	0	0	5.68	NA	0	0
12/6/2002	5.91	NA	0	0	4.42 ⁽⁶⁾	4.42 ⁽⁷⁾	0	0	4.22 ⁽⁶⁾	NA	0	0	5.87	NA	0	0
12/13/2002	5.66	NA	0	0	4.25 ⁽⁶⁾	NA	0	0	4.02 ⁽⁶⁾	4.02 ⁽⁷⁾	0	0	5.65	NA	0	0
12/20/2002	5.19	NA	0	0	4.00 ⁽⁶⁾	NA	0	0	3.79 ⁽⁶⁾	NA	0	0	5.41	NA	0	0
12/27/2002	5.12	NA	0	0	NM	NM	NM	0	NM	NM	NM	0	NM	NM	NM	0
12/30/2002	5.30	NA	0	0	4.09 ⁽⁶⁾	NA	0	0	3.98 ⁽⁶⁾	NA	0	0	5.51	NA	0	0
1/10/2003	5.35	NA	0	0	4.13 ⁽⁶⁾	NA	0	0	3.90 ⁽⁶⁾	NA	0	0	5.57	NA	0	0
1/17/2003	5.67	NA	0	0	4.31 ⁽⁶⁾	NA	0	0	4.09 ⁽⁶⁾	4.09 ⁽⁷⁾	0	0	5.74	NA	0	0
1/21/2003	5.86	NA	0	0	4.42 ⁽⁶⁾	NA	0	0	4.20 ⁽⁶⁾	4.20 ⁽⁷⁾	0	0	NA	NA	NA	NA
1/30/2003	6.25	NA	0	0	4.65 ⁽⁶⁾	NA	0	0	4.43 ⁽⁶⁾	4.44	0.01	0	6.05	NA	0	0
2/7/2003	4.94	NA	0	0	4.42	NA	0	0	NM	NM	NM	0	5.81	NA	0	0
Monitoring Frequency Decreased to Monthly																
3/18/2003	5.04	NA	0	0	3.73 ⁽⁶⁾	NA	0	0	3.51 ⁽⁶⁾	NA	0	0	5.20	NA	0	0
4/21/2003	5.28	NA	0	0	3.92	NA	0	0	3.80	3.66	0.14	0	5.35	NA	0	0
4/25/2003	NM	NM	0	0	4.01	NA	0	0	3.90	3.76	0.14	0.5	NM	NM	0	0
4/30/2003	NM	NM	0	0	3.95	NA	0	0	3.85	3.72	0.13	0	NM	NM	0	0
4/30/2003	LNAPL removed via vacuum extraction at CW-1, and CW-2.															
5/7/2003	NM	NM	0	0	4.25	NA	0	0	4.07	4.01	0.06	0	NM	NM	0	0
5/16/2003	NM	NM	0	0	4.36	NA	0	0	4.20	4.14	0.06	0	NM	NM	0	0
5/22/2003	6.14	NA	0	0	4.52	NA	0	0	4.37	4.30	0.07	0	5.95	NA	0	0
6/30/2003	5.95	NA	0	0	4.45	4.43	0.02	0	4.25	4.18	0.07	0	5.85	NA	0	0
7/31/2003	6.01	NA	0	0	4.53	4.52	0.01	0	4.25	NA	sheen	0	5.9	NA	0	0
8/29/2003	6.76	6.75	0.01	0	4.89	4.88	0.01	0	5.41	5.40	0.01	0	6.5	NA	0	0
9/29/2003	6.03	NA	sheen	0	4.61	4.6	0.01	0	5.38	5.37	0.01	0	6.35	NA	0	0
10/24/2003	6.11	NA	sheen	0	4.75	4.74	0.01	0	5.7	NA	sheen	0	6.48	NA	0	0
11/18/2003	5.98	NA	sheen	0	4.46	4.44	0.02	0	4.62	4.61	0.01	0	6.28	NA	0	0
12/23/2003	5.63	NA	sheen	0	4.31	4.30	0.01	0	4.55	4.54	0.01	0	6.11	NA	0	0
1/26/2004	5.72	NA	sheen	0	4.47	4.46	0.01	0	4.61	4.6	0.01	0	6.23	NA	0	0
2/25/2004	5.41	NA	sheen	0	3.98	3.99	0.01	0	4.13	4.13	sheen	0	6.01	NA	0	0
3/24/2004	5.48	NA	sheen	0	4.06	4.04	0.02	0	4.25	4.24	0.01	0	5.98	NA	0	0
4/26/2004	4.71	NA	sheen	0	3.21	NA	sheen	0	3.98	NA	sheen	0	4.01	NA	0	0
5/27/2004	5.11	NA	sheen	0	3.45	3.44	0.01	0	4.11	NA	sheen	0	4.35	NA	0	0
6/24/2004	5.89	NA	sheen	0	4.37	NA	sheen	0	4.21	4.2	0.01	0	5.79	NA	0	0
7/23/2004	5.91	NA	sheen	0	4.41	4.40	0.01	0	4.25	4.24	0.01	0	5.83	NA	0	0
8/27/2004	5.78	NA	sheen	0	4.37	4.36	0.01	0	4.19	4.18	0.01	0	5.75	NA	0	0
9/23/2004	5.61	NA	sheen	0	4.15	4.13	0.02	0	4.25	4.22	0.03	0	5.71	NA	0	0
10/27/2004	5.67	NA	sheen	0	4.35	4.28	0.07	0	4.51	4.47	0.04	0	5.68	NA	0	0
11/24/2004	5.56	NA	sheen	0	4.31	4.27	0.04	0	4.48	4.45	0.03	0	5.60	NA	0	0

Table 3-1
Summary of LNAPL Observations and Removal
Wells PZ-2S, CW-1, CW-2, and TRC-101
Former GE Site
Wilmington, Massachusetts

Date	PZ-2S				CW-1				CW-2				TRC-101			
	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)
12/22/2004	5.62	NA	sheen	0	4.34	4.29	0.05	0	4.42	NA	sheen	0	5.63	NA	0	0
1/27/2005	5.65	NA	sheen	0	4.40	4.37	0.03	0	4.44	4.43	0.01	0	6.15	NA	0	0
2/28/2005	5.34	NA	sheen	0	4.21	4.20	0.01	0	4.23	4.23	sheen	0	5.89	NA	0	0
3/25/2005	5.51	NA	sheen	0	4.36	4.31	0.05	0	4.38	4.35	0.01	0	6.05	NA	0	0
4/26/2005	5.02	NA		0	3.96	3.90	0.06	3	3.93	3.85	0.08	6	5.41	NA	0	0
4/26/2005	LNAPL removed via peristaltic pump at CW-1, and CW-2.															
4/26/2005	Gauging after LNAPL removal:				3.95	3.92	0.03		3.84	3.86	0.02					
5/1/2005	Installed 3 TB-400 Soakease Absorbent booms into both CW-1 and CW-2															
5/10/2005	5.15	NA		0	4.16	4.05	0.11	~2.25	4.10	3.97	0.13	~2.25	5.62	NA	0	0
5/10/2005	Removed and replaced 3 Soakease Absorbent booms in CW-1 and CW-2															
5/24/2005	5.27	NA		0	4.27	4.17	0.10	~2.25	4.17	4.05	0.12	~2.25	5.75	NA	0	0
5/24/2005	Removed and replaced 3 Soakease Absorbent booms in both CW-1 and CW-2															
6/10/2005	5.33	NA		0	4.32	4.21	0.11	~2.25	4.26	4.13	0.13	~2.25	5.79	NA	0	0
6/10/2005	Removed 3 Soakease Absorbent booms in both CW-1 and CW-2															
6/17/2005	5.37	NA		0	4.35	4.25	0.10	0	4.31	4.20	0.11	0	5.82	NA	0	0
7/5/2005	LNAPL removed via peristaltic pump at CW-1 and CW-2															
7/5/2005							0.01	10			0.04	3				
7/6/2005							0.05	0			0.07	0				
7/28/2005	5.81	NA		0	4.41	4.30	0.11	0	4.35	4.23	0.12	0	6.01	NA	0	0
8/24/2005	5.92	NA		0	4.29	4.41	0.12	0	4.39	4.26	0.13	0	5.98	NA	0	0
9/27/2005	5.95	NA		0	4.29	4.39	0.1	0	4.41	4.30	0.11	0	6.04	NA	0	0
10/17/2005	NA	NA		0	3.87	3.94	0.07	10	3.65	3.65	sheen	0	NA	NA	0	0
10/17/2005	LNAPL removed via peristaltic pump at CW-1															
1/9/2006	5.36	5.35	0.01	0	4.2	4.15	0.05	2.25	3.96	3.95	0.01	2.25	5.60	NA	NA	0
1/9/2006	Removed and replaced 3 Soakease Absorbent booms in CW-1 and CW-2															
1/9/2006	Gauging after LNAPL removal:				4.17	4.15	0.02		3.98	3.95	0.03					
1/25/2006	5.01	5.01	sheen	0	3.8	3.75	0.05	2.5	3.7	3.55	0.15	2.5	5.24	NA	NA	0
1/25/2006	Removed and replaced 3 Soakease Absorbent booms in CW-1 and CW-2															
1/25/2006	Gauging after LNAPL removal:				3.81	3.80	0.01		3.6	NA	sheen					
2/7/2006	3.35	NA	sheen	0	3.30	NA	sheen	1.5	3.52	3.45	0.07	1.5	4.98	NA	NA	0
2/7/2006	Removed and replaced 3 Soakease Absorbent booms in CW-1 and CW-2															
2/7/2006	Gauging after LNAPL removal:				3.52	3.5	0.02		3.3	NA	sheen					
2/21/2006	5.21	NA	sheen	0	4.15	4.12	0.03	0	3.93	3.9	0.03	0	5.53	NA	NA	0
3/8/2006	5.9	NA	sheen	0	4.42	4.4	0.02	0	4.45	4.42	0.03	0	5.85	NA	NA	0
3/21/2006	6	NA	sheen	0	4.53	4.5	0.03	0	4.31	4.3	0.01	0	5.92	NA	NA	0
4/4/2006	6.05	NA	sheen	0	4.90	4.15	0.75	2.25	4.9	4.37	0.53	2.25	5.75	NA	NA	0
4/4/2006	Removed and replaced 3 Soakease Absorbent booms in CW-1 and CW-2															
4/4/2006	Gauging after LNAPL removal:				4.25	4.15	0.1		4.6	4.37	0.23					
4/17/2006	6.15	NA	sheen	0	4.44	4.42	0.02	0	4.47	4.46	0.01	0	6.10	NA	NA	0
5/2/2006	8.15	NA	sheen	0	4.48	4.38	0.1	2.25	4.5	4.3	0.2	2.25	5.92	NA	NA	0
5/2/2006	Removed and replaced 3 Soakease Absorbent booms in CW-1 and CW-2															
5/2/2006	Gauging after LNAPL removal:				4.49	4.49	sheen		4.5	4.49	0.01					
5/23/2006	4.15	4.14	0.01	0	2.95	NA	NA	2.25	3.15	NA	NA	2.25	4.66	NA	NA	0
5/23/2006	Removed and replaced 3 Soakease Absorbent booms in CW-1 and CW-2															
5/23/2006	Gauging after LNAPL removal:				2.95		sheen		3.15		sheen					
6/16/2006	4.23	NA	sheen	0	3.17	NA	NA	0	3.33	NA	sheen	0	4.81	NA	NA	0
6/29/2006	4.75	NA	sheen	0	3.52	NA	sheen	0	3.6	NA	NA	0	5.23	NA	NA	0
7/13/2006	4.92	NA	sheen	0	3.6	NA	sheen	0	3.72	NA	sheen	0	5.22	NA	NA	0
7/31/2006	5.75	NA	sheen	0	4.56	NA	sheen	0	4.45	NA	sheen	0	5.88	NA	NA	0
8/25/2006	6.2	NA	sheen	0	4.4	NA	sheen	0	4.6	NA	sheen	0	5.8	NA	NA	0
9/7/2006	5.77	NA	sheen	0	4.35	NA	sheen	0	4.55	NA	sheen	0	5.95	NA	NA	0
9/20/2006	5.95	NA	sheen	0	4.36	NA	sheen	0	4.48	NA	sheen	0	6.8	NA	NA	0

Table 3-1
Summary of LNAPL Observations and Removal
Wells PZ-2S, CW-1, CW-2, and TRC-101
Former GE Site
Wilmington, Massachusetts

Date	PZ-2S				CW-1				CW-2				TRC-101			
	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)
10/5/2006	6.12	NA	sheen	0	6	NA	sheen	0	5.9	NA	sheen	0	6.11	NA	NA	0
10/18/2006	5.47	NA	sheen	0	4.7	NA	sheen	0	4.6	NA	sheen	0	5.7	NA	NA	0
11/3/2006	5.46	NA	sheen	0	4.43	NA	sheen	0	4.35	NA	sheen	0	5.7	NA	NA	0
11/14/2006	4.5	NA	NA	0	4.85	NA	sheen	0	4.73	NA	sheen	0	5.05	NA	NA	0
11/28/2006	4.92	NA	NA	0	5.42	NA	sheen	0	5.51	NA	sheen	0	5.32	NA	NA	0
12/14/2006	5.65	NA	NA	0	4.10	NA	sheen	0	4.28	NA	sheen	0	5.71	NA	NA	0
12/29/2006	5.46	NA	NA	0	4.32	NA	sheen	0	4.22	NA	NA	0	5.70	NA	NA	0
1/9/2007	5.15	NA	NA	0	3.70	NA	NA	0	3.91	NA	sheen	0	5.37	NA	NA	0
1/25/2007	5.64	NA	NA	0	4.14	NA	sheen	0	4.32	NA	sheen	0	5.75	NA	NA	0
2/13/2007	5.62	NA	NA	0	4.20	NA	sheen	0	4.35	NA	NA	0	NM	NM	NM	0
2/28/2007	6.08	NA	NA	0	4.48	NA	sheen	1	4.65	NA	sheen	1	NM	NM	NM	0
3/27/2007	4.65	NA	NA	0	3.23	NA	sheen	0	3.52	NA	sheen	0	5.00	NA	NA	0
4/11/2007	5.8	NA	NA	0	4.43	NA	NA	0	4.71	NA	sheen	0	5.87	NA	NA	0
4/24/2007	5.50	NA	NA	0	4.98	NA	sheen	0	4.80	NA	NA	0	5.62	NA	NA	0
5/8/2007	5.20	NA	NA	0	3.75	NA	sheen	0	4.00	NA	NA	0	5.41	NA	NA	0
5/21/2007	3.95	NA	NA	0	3.05	NA	sheen	0	3.30	NA	NA	0	4.78	NA	sheen	0
11/19/2007	6.26	5.85	0.41	0	4.72	4.69	0.03	0	4.47	NA	sheen	0	6.12	NA	NA	0
12/5/2007	6.53	6.14	0.39	0	4.78	4.72	0.06	0	5.52	NA	sheen	0	NM	NM	NM	0
12/19/2007	6.61	NA	NA	0	4.72	4.71	0.01	0	4.46	NA	NA	0	NM	NM	NM	0
1/7/2008	6.00	5.99	0.01	0	4.32	NA	sheen	0	4.11	4.08	0.03	0	5.71	NA	NA	0
1/17/2008	5.68	NA	NA	0	3.99	NA	NA	0	3.88	NA	NA	0	5.43	NA	NA	0
1/31/2008	6.17	NA	sheen	0.35	4.38	NA	sheen	0.35	4.15	4.20	0.05	1.3	5.81	NA	NA	0
2/14/2008	4.32	NA	sheen	0	3.31	NA	sheen	0	3.10	NA	sheen	0	4.79	NA	NA	0
2/27/2008	4.74	NA	sheen	0	3.51	NA	sheen	0	3.32	NA	sheen	1.1	4.95	NA	NA	0
3/11/2008	4.14	NA	sheen	0	3.16	NA	sheen	0	2.95	NA	sheen	0	4.66	NA	NA	0
4/9/2008	5.01	NA	sheen	0	3.87	NA	sheen	0	3.65	NA	sheen	0	5.31	NA	NA	0
5/13/2008	5.63	NA	NA	0	4.30	4.28	0.02	0	4.10	4.04	0.06	0	5.70	NA	NA	0
6/11/2008	6.10	NA	NA	0	4.60	4.59	0.01	0	4.40	4.37	0.03	1.1	6.01	NA	NA	0
7/16/2008	5.89	NA	NA	0	4.63	4.61	0.02	0	4.43	4.38	0.05	1.2	6.03	NA	NA	0
8/28/2008	5.94	NA	NA	0	4.61	4.58	0.03	0	4.40	4.36	0.04	1.4	6.01	NA	NA	0
9/25/2008	5.97	NA	NA	0	4.60	4.58	0.02	1.5	4.39	4.36	0.03	1.1	6.09	NA	NA	0
10/16/2008	5.81	NA	NA	0	4.40	NA	sheen	0.75	4.22	NA	sheen	0.75	5.89	NA	NA	0
11/11/2008	5.58	NA	NA	0	4.44	4.43	0.01	0	4.22	4.20	0.02	0	5.85	NA	NA	0
12/4/2008	5.01	NA	NA	0	4.03	NA	sheen	1	3.82	NA	sheen	0.5	5.47	NA	NA	0
1/13/2009	5.21	NA	NA	0	4.04	NA	sheen	0	3.83	NA	sheen	0	5.49	NA	NA	0
2/12/2009	5.23	NA	NA	0	3.98	NA	sheen	0	3.75	NA	sheen	0	5.41	NA	NA	0
3/19/2009	4.96	NA	NA	0	3.74	NA	sheen	0	3.55	NA	sheen	0	5.21	NA	NA	0
4/16/2009	5.03	NA	NA	0	3.89	3.87	0.02	0	3.66	NA	NA	0	5.32	NA	NA	0
5/4/2009	5.46	5.46 ⁽⁷⁾	0	0	4.12	4.10	0.02	0	3.91	3.90	0.01	0	5.54	NA	NA	0
6/25/2009	4.92	NA	sheen	0	3.93	3.92	0.01	0	3.74	3.72	0.02	0	5.36	NA	NA	0
7/14/2009	5.16	NA	NA	0	4.14	4.12	0.02	0	3.93	3.91	0.02	0	5.56	NA	NA	0
8/20/2009	6.03	NA	NA	0	4.70	4.65	0.05	0	4.46	4.42	0.04	0	6.05	NA	NA	0
9/25/2009	6.24	NA	NA	0	4.89	4.84	0.05	1.5	4.68	4.63	0.05	1.1	6.27	NA	NA	0
10/30/2009	5.02	NA	NA	0	4.09	4.08	0.01	1.5	3.88	3.87	0.01	1.5	5.51	NA	NA	0
11/13/2009	5.85	NA	NA	0	4.49	4.48	0.01	0	4.28	4.27	<0.01	0	5.91	NA	NA	0
12/2/2009	5.18	NA	NA	0	4.11	NA	sheen	0	3.90	NA	sheen	0	5.53	NA	NA	0
1/29/2010	4.67	NA	NA	0	3.68	3.68 ⁽⁷⁾	0	0	3.47	NA	sheen	0	5.13	NA	NA	0
2/22/2010	5.53	NA	NA	0	4.17	NA	sheen	0	3.98	NA	sheen	0	5.58	NA	NA	0
3/24/2010	3.24	NA	sheen	0	2.54	2.53	0.01	0	2.33	2.32	0.01	0	3.90	NA	NA	0
4/5/2010	3.72	NA	NA	0	2.82	2.82 ⁽⁷⁾	0	0	2.63	2.62	0.01	0	4.27	NA	NA	0
5/12/2010	5.50	NA	NA	0	4.17	4.16	0.01	0	3.96	NA	sheen	0	5.57	NA	NA	0
6/4/2010	5.93	NA	NA	0	4.49	4.48	0.01	0	4.23	NA	sheen	0	5.90	NA	NA	0

Table 3-1
Summary of LNAPL Observations and Removal
Wells PZ-2S, CW-1, CW-2, and TRC-101
Former GE Site
Wilmington, Massachusetts

Date	PZ-2S				CW-1				CW-2				TRC-101			
	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)	DTW (ft.)	DTP (ft.)	Thickness (ft.)	Volume Removed (gal.)
7/8/2010	6.53	NA	NA	0	5.09	5.05	0.04	0	4.85	4.84	0.01	0	6.47	NA	NA	0
8/30/2010	6.47	6.46	0.01	0	5.10	5.02	0.08	0	4.84	4.82	0.02	0	6.48	NA	NA	0
9/27/2010	7.20	7.19	0.01	0	5.82	5.69	0.13	1.1	5.55	5.49	0.06	0.75	7.15	NA	NA	0
10/21/2010	5.88	5.87	0.01	0	5.70	5.67	0.03	1.5	5.50	NA	sheen	1.1	6.08	NA	NA	0
11/11/2010	5.18	NA	sheen	0	4.28	NA	NA	1.5	4.10	NA	NA	0	5.70	NA	NA	0
12/18/2010	5.70	NA	NA	0	4.60	4.60 ⁽¹⁾	0	0	4.39	4.38	0.01	0	6.05	NA	NA	0
1/26/2011	NA	NA	NA	0	NA	NA	NA	0	NA	NA	NA	0	NA	NA	NA	0
2/7/2011	5.45	NA	NA	0	4.3	NA	NA	0	4.11	NA	NA	0	5.75	NA	NA	0
3/17/2011	4.05	NA	NA	0	3.06	NA	NA	0	2.87	NA	film	0	4.49	NA	NA	0
4/23/2011	4.53	NA	NA	0	3.7	NA	NA	0	3.5	NA	NA	0	5.14	NA	NA	0
5/24/2011	5.27	NA	NA	0	4.08	NA	NA	0	3.87	NA	NA	0	5.38	NA	NA	0
6/28/2011	4.81	NA	NA	0	3.98	NA	NA	0	3.77	NA	sheen	0	5.41	NA	NA	0
7/21/2011	5.92	NA	NA	0	4.69	4.67	0.02	0	4.49	4.47	0.02	0	6.11	NA	NA	0
8/15/2011	5.18	NA	NA	0	3.90	NA	sheen	0	3.70	NA	NA	0	5.14	NA	NA	0
11/28/2011	4.46	NA	NA	1	3.65	NA	NA	0	3.45	NA	NA	0	5.08	NA	NA	1
12/22/2011	4.63	NA	NA	2	3.62	NA	NA	0	3.43	NA	sheen	0	5.03	NA	NA	2
5/31/2012	5.30	NA	NA	0	4.10	NA	NA	0	3.91	NA	sheen	0	5.46	NA	NA	0

Table 4-1 Groundwater Monitoring Program Former GE Site, Wilmington, MA

GROUNDWATER SAMPLING									
	SPECIFICATIONS							FREQUENCY	
WELL ID	Overburden/ Bedrock	Well Diameter (inches)	Screened Interval (ft bgs)	Total Depth (ft)	Port or PDB Centerline (ft)	Sampling Method	Analysis	Semi-Annual (May and Nov)	Annual (Nov)
Source Control									
EMW-11R1	Shallow Bedrock	0.75	79-89	89.17	86	PP/Fz	VOCs (EPA Method 8260B); 1,4-Dioxane (Method 8270C); total arsenic; dissolved arsenic; qDHC		x (EZ)
TRC-401R-B	Shallow Bedrock	2	38-58	58	45	PP/Fz			x (EZ)
EMW-11R2	Deep Bedrock	0.75	104-114	114.17	111	PP/Fz			x (EZ)
IP-1R2	Deep Bedrock	2	54-74	74.1	60	PP/Fz			x (EZ)
LTGMP									
GZA-105D	Overburden	1.5	16-26	26	24	PP/Fz	VOCs (EPA Method 8260B); 1,4-Dioxane (Method 8270C); total arsenic; dissolved arsenic; qDHC	x	x(EZ)
EMW-10D	Overburden	2	19-29	29	25	PP/Fz		x	x
EMW-11D	Overburden	2	22-32	32	29	PP/Fz		x	x(EZ)
PS-1D	Overburden	0.62	49.25-54.25	55	53.25	PP/Fz		x	x(EZ)
PZ-2S	Overburden					Interface Probe	Gauging Only	x	
TRC-101	Overburden					Interface Probe		x	
CW-1	Overburden					Interface Probe		x	
CW-2	Overburden					Interface Probe		x	
Newly Installed Wells in 2012							Sampled after Installation and in November 2012		
AE-1S	Overburden	2	7 to 17	17		PP/Fz	VOCs (EPA Method 8260B; MassDEP EPH/VPH; 1,4-Dioxane (Method 8270C); total arsenic; dissolved arsenic; qDHC		x
AE-1I	Bedrock Interface	2	19-24	24		PP/Fz			x
AE-2I	Overburden	2	8 to 18	18		PP/Fz			x
Existing Well GZA-12	Overburden	2	0	-14		PP/Fz			x
Existing Well GZA-101R	Bedrock	0.5	36.5-38	38.44	37.5	PP/Fz			x
AE-3	Overburden	2	3 to 13	14		PP/Fz			x
AE-4	Overburden	2	3 to 13	15		PP/Fz			x

Notes:

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

X(EZ) = Additional sampling analysis to include: sulfate/sulfide, ferrous iron, nitrate, nitrite, chloride, total organic carbon, ethene/ethane.

 In the field measure oxygen reduction potential (ORP), dissolved oxygen and ferrous iron.

PP = Peristaltic Pump

bgs = Below ground surface

Appendix A

Tank F BWSC Notification, Field Sampling Forms, and PDB Deionized Water Certificate

**NOTICE OF ENVIRONMENTAL SAMPLING**

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123This Notice is Related to
Release Tracking Number**3** **0518****A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):**

1. Street Address: 50 FORDHAM RD
City/Town: Wilmington Zip Code: 01887

B. This notice is being provided to the following party:

1. Name: GARY STANIEICH
2. Street Address: 424 BROADWAY
City/Town: SOMERVILLE Zip Code: 02145

C. This notice is being given to inform its recipient (the party listed in Section B):

- ☒ 1. That environmental sampling will be has been conducted at property owned by the recipient of this notice.
☐ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
☐ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 50 FORDHAM RD
City/Town: Wilmington Zip Code: 01887

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|---|
| ☐ Immediate Response Action | ☐ Phase III Feasibility Evaluation |
| ☐ Release Abatement Measure | ☐ Phase IV Remedy Implementation Plan |
| ☐ Utility-related Abatement Measure | ☒ Phase V/Remedy Operation Status |
| ☐ Phase I Initial Site Investigation | ☐ Post-Class C Operation, Maintenance and Monitoring |
| ☐ Phase II Comprehensive Site Assessment | ☐ Other _____ |
- (specify)

3. Description of property where sampling will be/has been conducted:

☐ residential ☒ commercial ☒ industrial ☐ school/playground ☐ Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

Routine semi-annual groundwater sampling under MADEP
MCP ROS status. Wells GZA-105D, EMW-10D, EMW-11D.
Work to be conducted between MAY 11 AND 31, 2012

E. Contact information related to the party providing this notice:Contact Name: SCOTT OLSONStreet Address: AECOM 250 APOLLO DRIVECity/Town: Chelmsford Zip Code: 01824Telephone: 978-905-2351 Email: scott.olson@aecom.com

Olson, Scott (Chelmsford)

From: Olson, Scott (Chelmsford)
Sent: Thursday, May 10, 2012 10:10 AM
To: 'Gary Stanieich'
Cc: Taddeo, Arthur
Subject: RE: My contact info
Attachments: BWSC 123 Notification to WRTrust_5-10-2012.pdf

Gary, thank you.

Attached please find the Mass DEP BWSC 123 form. This is simply a notification of the groundwater sampling that we will be conducting this month. For each phase of environmental sampling we perform onsite we will notify you of the dates and sampling information via this form and follow up with a copy of the analytical results within 30 days of our receipt. Also, any time that we plan to visit the site, we will let you know with a quick email or phone call.

This groundwater sampling event will be in two visits, Monday 5/14 and Thursday 5/31. The first visit may only be a couple of hours, unless we decide to do a little more site reconnaissance outdoors, and possibly another quick tour indoors. The second visit at the end of the month will be more of a full day.

My mobile number below is the best way to reach me.

Regards.

Scott

Scott G. Olson, P.G.
Sr. Project Specialist
Environment
D 978-905-2351 M 978-846-5238
scott.olson@aecom.com

AECOM

250 Apollo Drive, Chelmsford, MA 01824
T 978-905-2100 F 978-905-2101
www.aecom.com

From: Gary Stanieich [<mailto:gstanieich@aol.com>]
Sent: Wednesday, May 09, 2012 7:43 AM
To: Olson, Scott (Chelmsford); Taddeo, Arthur
Subject: My contact info

Good Morning Scott and Arthur, as I mentioned I can be best reached at this email address or my cell phone # below.

Regards,

Gary P Stanieich
Manager
Wilmington Realty Trust
424 Broadway
Somerville, MA. 02145
603-860-5508

Olson, Scott (Chelmsford)

From: Olson, Scott (Chelmsford)
Sent: Tuesday, May 29, 2012 1:36 PM
To: Gary Stanieich
Cc: Taddeo, Arthur; Parsons, Erika
Subject: Groundwater Sampling Event - Wilmington

Hi Gary,

This is just a reminder that we will be onsite again this Thursday May 31 to complete the May 2012 groundwater sampling event. Erika Parsons from CDM Smith will be onsite with us for at least part of the day.

We plan to get an early start at 7:00 am and will be onsite until mid afternoon. This work will be mostly outdoors, but Erika and I plan to enter Building 1 in the morning to scope out some locations and take some measurements, mostly in the southwest corner of the building.

Please let us know if you have any questions.

Cheers.

Scott

Scott G. Olson, P.G.
Sr. Project Specialist
Environment
D 978-905-2351 M 978-846-5238
scott.olson@aecon.com

AECON

250 Apollo Drive, Chelmsford, MA 01824
T 978-905-2100 F 978-905-2101
www.aecom.com

Quality Guarantee

Columbia Analytical guarantees that the following analytes were not found in the deionized water contained in the enclosed Passive Sampling devices according to standard EPA Method 8260 reporting limits:

Acetone
Acetonitrile
Acrolein
Acrylonitrile
Allyl Chloride
Benzene
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromoform
Bromomethane
2-Butanone (MEK)
Carbon Disulfide
Carbon Tetrachloride
2-Chloro-1,3-butadiene
Chlorobenzene
Chloroethane
2-Chloroethylvinyl Ether

Chloroform
Chloromethane
2-Chlorotoluene
4-Chlorotoluene
Cyclohexane
Cyclohexanone
1,2-Dibromo-3-Chloropropan
Dibromochloromethane
Dibromomethane
1,2-Dibromomethane
Dichlorodifluoromethane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethene
cis-1,2-Dichloroethene

trans-1,2-Dichloroethene
1,2-Dichloropropane
1,3-Dichloropropane
2,2-Dichloropropane
1,1-Dichloropropene
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Diethyl Ether
1,4-Dioxane
Ethyl Methacrylate
Ethylbenzene
Freon 21
Freon 113
Freon 123
Hexachlorobutadiene
2-Hexanone
Iodomethane
Iso-Butyl Alcohol

Isopropylbenzene
Methacrylonitrile
Methyl Acetate
Methyl Methacrylate
Methylcyclohexane
Methyl-t-Butyl Ether
Methylene Chloride
4-Methyl-2-pentanone (MIBK)
N-Butylbenzene
N-Heptane
Naphthalene
2-Nitropropane
2-Propanol

P-Isopropyltoluene
Propionitrile
N-Propylbenzene
Sec-Butylbenzene
Styrene
Tert-Butyl Alcohol
Tert-Butylbenzene
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethene
Tetrahydrofuran
Toluene
Trans-1,4-Dichloro-2-Butene

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethene
Trichlorofluoromethane
1,2,3-Trichloropropane
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Vinyl Acetate
Vinyl Chloride
o-Xylene
m,p-Xylenes

Lot Number: 1057 (2 1/4" x 24")

Date Analyzed: 5/1/12

Service Request Number: R12-2696



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Thank you for your order!

In appreciation for your business, and to demonstrate our confidence in the products we sell, your purchase of a Columbia Analytical PDBs or RPPs now comes with something extra... a quality guarantee.

Columbia Analytical will guarantee against any defects in material or workmanship in the heat seams and polypropylene membrane of any PDB or RPP purchased from Columbia Analytical. This guarantee is limited to replacement of the PDB or RPP only, and does not cover direct, indirect, consequential, incidental or any other type of damage resulting from the use of the Columbia Analytical products. This guarantee does not cover damages caused by improper shipping, storage after PDB receipt, deployment, retrieval or accidents. This guarantee applies only to PDBs and RPPs purchased directly from Columbia Analytical.

Returns are not accepted on mesh covers, weights, foil pouches, hanging assemblies or any other accessory sold by Columbia Analytical. Columbia Analytical does not accept returns on any unused PDBs or RPPs products or accessories.

Upon receipt of your PDB or RPP order, the shipping package should be inspected for any possible damage. If there is any visible damage on the outside or inside of the box, you should contact your Columbia Analytical Services Customer Service Representative immediately. A Copy of your order form is included in the clear plastic pouch attached to the outside of the shipping box. Contact the Columbia Analytical Customer Service Department if this pouch is missing.

To file a claim on your PDB or RPP product, contact our Customer Service Department Monday-Friday, 8:00 a.m. to 5:00 p.m. (EST)

1.800.695.7222, Extension 01

passivesampling@caslab.com

After business hours, leave a voice mail message or email us and your message will be returned no later than one business day.



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Acetone
Acetonitrile
Acrolein
Acrylonitrile
Allyl Chloride
Benzene
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromoform
Bromomethane
2-Butanone (MEK)
Carbon Disulfide
Carbon Tetrachloride
2-Chloro-1,3-butadiene
Chlorobenzene
Chloroethane
2-Chloroethylvinyl Ether

Chloroform
Chloromethane
2-Chlorotoluene
4-Chlorotoluene
Cyclohexane
Cyclohexanone
1,2-Dibromo-3-Chloropropan
Dibromochloromethane
Dibromomethane
1,2-Dibromomethane
Dichlorodifluoromethane
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,1-Dichloroethane
1,2-Dichloroethane
1,1-Dichloroethene
cis-1,2-Dichloroethene

trans-1,2-Dichloroethene
1,2-Dichloropropane
1,3-Dichloropropane
2,2-Dichloropropane
1,1-Dichloropropene
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Diethyl Ether
1,4-Dioxane
Ethyl Methacrylate
Ethylbenzene
Freon 21
Freon 113
Freon 123
Hexachlorobutadiene
2-Hexanone
Iodomethane
Iso-Butyl Alcohol

Isopropylbenzene
Methacrylonitrile
Methyl Acetate
Methyl Methacrylate
Methylcyclohexane
Methyl-t-Butyl Ether
Methylene Chloride
4-Methyl-2-pentanone (MIBK)
N-Butylbenzene
N-Heptane
Naphthalene
2-Nitropropane
2-Propanol

P-Isopropyltoluene
Propionitrile
N-Propylbenzene
Sec-Butylbenzene
Styrene
Tert-Butyl Alcohol
Tert-Butylbenzene
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethene
Tetrahydrofuran
Toluene
Trans-1,4-Dichloro-2-Butene

1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethene
Trichlorofluoromethane
1,2,3-Trichloropropane
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Vinyl Acetate
Vinyl Chloride
o-Xylene
m,p-Xylenes

Lot Number: 1054 (3/4" x 36")

Date Analyzed: 4/19/12

Service Request Number: R12-2470



 **Columbia
Analytical Services**^{INC}

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Columbia Analytical will guarantee against any defects in material or workmanship in the heat seams and polypropylene membrane of any PDB or RPP purchased from Columbia Analytical. This guarantee is limited to replacement of the PDB or RPP only, and does not cover direct, indirect, consequential, incidental or any other type of damage resulting from the use of the Columbia Analytical products. This guarantee does not cover damages caused by improper shipping, storage after PDB receipt, deployment, retrieval or accidents. This guarantee applies only to PDBs and RPPs purchased directly from Columbia Analytical.

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After business hours, leave a voice mail message or email us and your message will be returned no later than one business day.



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Personnel: Tom Croft

Date: 5/31/12

All measured values must be corrected for temp. unless the instrument is operated in the ATC mode. DO measurements must also be corrected for barometric pressure.

Temperature conversion $^{\circ}\text{C} = 5/9(^{\circ}\text{F}-32)$

BP = Barometric Pressure (mmHg)



Lockheed Martin - Former General Electric Site - Wilmington, MA
Water Quality Instrument Calibration Record

Project No: 60267214.04.02
 Personnel: Jeff Dvorak
 Date: 5/31/12

Parameter	Instrument		Standard		Std. Value @ 25 °C	Ambient Temp °C	Initial Value	Adjusted Value	Initials & Time	Comments	Post Cal Criteria	
	Manf/Model	Serial No.	Manf/Model	SN/Exp. Date								
pH 10.00	YSI/ 556	095101592	US Environmental	lot: 88383 7-17-12 exp: 3-7-12	10.00	23.01	9.82	9.87	0823			
											Post Cal	+/-0.3
pH 7.00			US Environmental	lot: 9093 3-14-12	7.00	23.25	7.14	7.00	0824			
											Post Cal	+/-0.3
pH 4.00			US Environmental	lot: 9092 3-14-12	4.00	23.46	4.09	4.00	0823			
											Post Cal	+/-0.3
SpCond (1,000)			US Environmental	lot: 1A1367 9/12	1,000 uS/cm	23.56	1231	1000	0858			
											Post Cal	+/- 5% or 10uS/cm
DI Water (Check Conductivity)				lot: exp:	0.00 uS/cm	23.36	6		0823			
										Post Cal	+/- 5% or 10uS/cm	
ORP			Zobell	lot: 105100753 exp: 6/12	231.0 mV @ 25°C	23.81	74.2	231.0	0848			
						20.32	228.0		1655	Post Cal	+/- 10mV	
DO			100% H ₂ O sat'd air	N/A	7.63 mg/L °C	28.63	6.87	7.71	0826	BP = 756.4 mmHg		
										Post Cal	BP = +/-0.5mg/L	
Zero DO (Check Only)			US Environmental	lot: 981 exp: 3/13	0 mg/L	23.93	0.14		0827	BP =		
										Post Cal	BP = <0.5mg/L	
Turbidity	UNIT MALFUNCTIONING SEE OTHER CAL RECORD				0.02 NTU 10.00 NTU	N/A	0.02 9.97			Post Cal = NTU @ Post Cal = NTU @	+/-5%	
All measured values must be corrected for temp. unless the instrument is operated in the ATC mode. DO measurements must also be corrected for barometric pressure. Temperature conversion °C = 5/9(°F-32) BP = Barometric Pressure (mmHg)												
NOTES:												

Low Flow Ground Water Sample Collection Record

Client: Lockheed Martin Corp. Date: 5/31/12 Time: Start 1030 am/pm
Project No: 60267214.04.02 Finish 1230 am/pm
Site Location: 50 Fordham Rd., Wilmington, MA
Weather Conds: Sunny, 70s, dry Collector(s): Tom Croft/ Jeff Dvorak

1. WELL & WATER LEVEL DATA: (measured in feet from Top of Casing unless noted)

a. Total Well Length * 55' c. Screen Length 5' 0.62" PVC Casing
b. Water Table Depth (0.34) d. Pump Intake 51.75' Sump?
e. Calculated System Purge Volume 2.43 L (calculation on page 2)

2. WELL PURGE DATA

a. Purge Method: peristaltic pump

b. Acceptance Criteria defined (see workplan)

- Temperature 3% - D.O. < 0.5 mg/L - Drawdown < 0.3 ft
- pH ± 1.0 unit > 0.5 mg/L within 10% - Turbidity < 10 NTU
- Sp. Cond. 3% - ORP ± 10mV > 10NTU within 10%

c. Field Testing Equipment used: Make Model Serial Number

YSI 556 07F100618

Turbidity meter HFS Scientific MicroIPW 201203 617
Solinst 101 20293

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1040	0.85	12.18	5.57	315	1.41	-3.4	27.4	170	0	Clear/none
1045	1.02	11.98	5.9	315	1.53	-15.8	28.52	170	0	Clear/none
1050	2.55	11.89	6.16	315	1.49	-24.3	16.00	170	0	Clear/none
1055	3.40	11.88	6.22	315	1.45	-26.8	8.57	170	0	Clear/none
1100	4.25	11.98	6.27	418	1.54	-28.1	5.87	170	0	Clear/none
1105	5.10	12.03	6.29	416	1.55	-28.1	7.23	170	0	Clear/none

d. Acceptance criteria pass/fail Yes No N/A

Has required volume been removed ☒ ☐ ☐

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

(continued on back)

(NO)

3. SAMPLE COLLECTION: Method: grab

Sample ID	Container Type	No.	Preservation	Analysis Req.	Time
12A-PS-1D-1	40mL VOA	3	HCL	8260B	1115
	1L Amber Glass	1	none	8270C	
	250mL Plastic	1	HNO3	Total Arsenic	
	250mL Plastic	1	HNO3	Diss. Arsenic (field filtered)	
	filter and Falcon tube	1	none	qDHC	1500/1.5L (filtered)

Comments pump on at 1035

→ keys did not open well → cut lock and replaced with brass lock

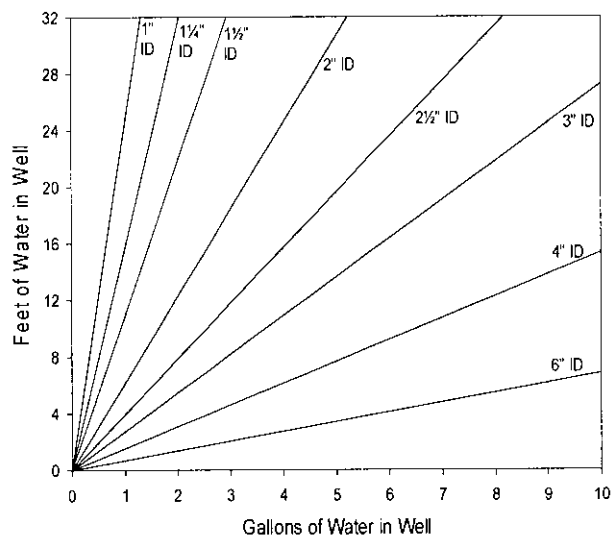
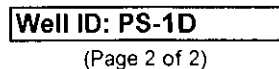
→ pump water pumped back into well

Signature

Tom Croft

Date

5/31/12



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

$$[55 \text{ ft (tubing length)} \times 0.0097 \text{ L/ft}] + 0.275 \text{ L (flow cell vol.)} = 0.8085 \text{ L} ; 0.8085 \text{ L} \times 3 \text{ well vol.} = 2.43 \text{ L}$$

(continued from front)

[illegible]

Low Flow Ground Water Sample Collection Record

Client: Lockheed Martin Corp. Date: 5/31/12 Time: Start 1355 am/pm
 Project No: 60267214.04.02 Finish am/pm
 Site Location: 50 Fordham Rd., Wilmington, MA
 Weather Conds: Sunny 80°F Dry Collector(s): Tom Croft/ Jeff Dvorak

1. WELL & WATER LEVEL DATA: (measured in feet from Top of Casing unless noted)

a. Total Well Length 29' (maybe top of PDB weight) c. Screen Length 10' 2" PVC Casing
 b. Water Table Depth 1.6 d. Pump Intake 24'
 e. Calculated System Purge Volume 1.61 L (calculation on page 2)

2. WELL PURGE DATA

a. Purge Method: peristaltic pump PDB well Headspace = 0.1 (ppm)

b. Acceptance Criteria defined (see workplan)

- Temperature 3% - D.O. < 0.5 mg/L - Drawdown < 0.3 ft
 - pH ± 1.0 unit > 0.5 mg/L within 10% - Turbidity < 10 NTU
 - Sp. Cond. 3% - ORP ± 10mV > 10NTU within 10%

c. Field Testing Equipment used: Make Model Serial Number

YSI 556

Scientific Micro Tpu 201202167

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1405	1.225	17.81	5.51	768	1.53	83.1	32.97	2.25	0.1	Clear/None
1410	2.25	17.38	5.56	774	1.56	82.5	15.09	2.25	0.1	Clear/None
1415	3.375	17.02	5.53	778	1.62	78.8	13.24	2.25	0.1	Clear/None
1420	4.50	16.90	5.52	778	1.53	77.1	12.87	2.25	0.1	Clear/None
1435	5.625	16.81	5.54	774	1.58	70.7	5.30	2.25	0.1	Clear/None
1440	6.750	16.81	5.62	771	1.54	67.5	28.82	2.25	0.1	Clear/None
1445	7.875	16.80	5.63	769	1.49	65.1	28.24	2.25	0.1	Clear/None

d. Acceptance criteria pass/fail Yes No N/A

Has required volume been removed ☒ ☐ ☐

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

(continued on back)

25.72 JP

3. SAMPLE COLLECTION: Method: grab

Sample ID	Container Type	No.	Preservation	Analysis Req.	Time
<u>12A-PS-ID-1</u> <u>JAD</u>	<u>40mL VOA</u>	<u>3</u>	<u>HCL</u>	<u>8260B</u>	<u>1508</u>
<u>12A-EMW-10D-1</u>	<u>1L Amber Glass</u>	<u>1</u>	<u>none</u>	<u>8270C</u>	
	<u>250mL Plastic</u>	<u>1</u>	<u>HNO3</u>	<u>Total Arsenic</u>	
	<u>250mL Plastic</u>	<u>1</u>	<u>HNO3</u>	<u>Diss. Arsenic (field filtered)</u>	
	<u>filter and Falcon tube</u>	<u>1</u>	<u>none</u>	<u>qDHC 1.5L filtered</u>	

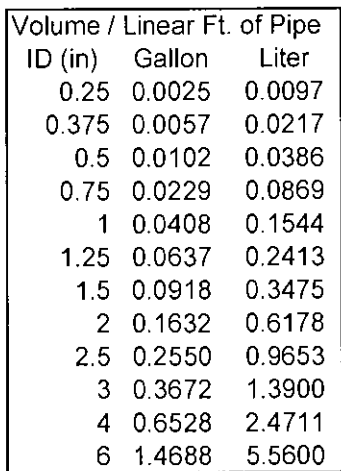
Comments Pump on at 1405 JAD 1355; Purge water pumped back into well
well conditioning well cap (PVC cap) does not fit PVC mouth completely (warped stopper on the
cap). The top of the PVC is jagged (broken edges); bolts only partially secure
Repositioned expansion plug to seal PVC casing; radbox looks (Go)

Signature

[Handwritten Signature]

Date

5/31/12


$$[27 \text{ ft (tubing length)} \times 0.0097 \text{ L/ft}] + 0.275 \text{ L (flow cell vol.)} = 0.5369 \text{ L} ; 0.5369 \text{ L} \times 3 \text{ well vol.} = 1.61 \text{ L}$$

(continued from front)

[illegible]

Low Flow Ground Water Sample Collection Record

Client: Lockheed Martin Corp. Date: 5/31/12 Time: Start 1400 am/pm
 Project No: 60267214.04.02 Finish 1520 am/pm
 Site Location: 50 Fordham Rd., Wilmington, MA
 Weather Conds: Sunny, 70, dry Collector(s): Tom Croft/ Jeff Dvorak

1. WELL & WATER LEVEL DATA: (measured in feet from Top of Casing unless noted)

a. Total Well Length 3068 → may be measurement to PDB weight c. Screen Length 10' 2" PVC Casing
 b. Water Table Depth 2.81 d. Pump Intake 27'
 e. Calculated System Purge Volume 1.70 L (calculation on page 2)
 c. Water Column (a-b) 27.87

2. WELL PURGE DATA

PID Well Headspace = 0.1 (ppm)

a. Purge Method: peristaltic pump

b. Acceptance Criteria defined (see workplan)

- Temperature 3% - D.O. < 0.5 mg/L - Drawdown < 0.3 ft
 - pH + 1.0 unit > 0.5 mg/L within 10% - Turbidity < 10 NTU
 - Sp. Cond. 3% - ORP ± 10mV > 10NTU within 10%

c. Field Testing Equipment used:

Make Model Serial Number

YSI 556 097101593

Solinst 101 20293

HF Scientific 101 20202107

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1420	2.0	16.39	6.68	1060	0.32	-79.9	2.73	200	0.01	clear/none
1430	4.0	16.66	6.64	1058	0.30	-71.4	2.73	200	0.01	clear/none
1435	5.0	16.48	6.58	1054	0.48	-76.6	2.56	200	0.01	clear/none

d. Acceptance criteria pass/fail Yes No N/A

Has required volume been removed ☒ ☐ ☐

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: grab

Sample ID	Container Type	No.	Preservation	Analysis Req.	Time
12A-PS-ID-1	40mL VOA	3	HCL	8260B	1450
12A-EMW-11D-1	1L Amber Glass	1	none	8270C	
	250mL Plastic	1	HNO3	Total Arsenic	
	250mL Plastic	1	HNO3	Diss. Arsenic (field filtered)	
	filter and Falcon tube	1	none	qDHC 1.5L filtered	

Comments

pump on at 1410

→ purge water poured back into well

→ road box missing one bolt ear hole - one hole is stripped

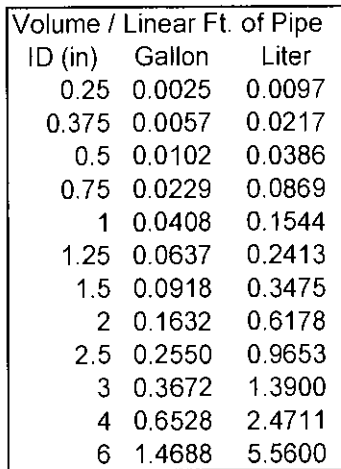
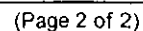
→ pipe cut at 45° angle → capped with 2" PVC cap

Signature

Tom Croft

Date

5/31/12



(continued from front)

[illegible]

Low Flow Ground Water Sample Collection Record

Client: Lockheed Martin Corp. Date: 5/31/12 Time: Start 1540 am/pm
 Project No: 60267214.04.02 Finish 1650 am/pm
 Site Location: 50 Fordham Rd., Wilmington, MA
 Weather Conds: Sunny, 20°, D17 Collector(s): Tom Croft/Jeff Dvorak

1. WELL & WATER LEVEL DATA: (measured in feet from Top of Casing unless noted)

a. Total Well Length 26' c. Screen Length 10' 1.5" PVC Casing
 b. Water Table Depth 5.15 d. Pump Intake 21' Sump?
 e. Calculated System Purge Volume 1.52 L (calculation on page 2)

2. WELL PURGE DATA

PID well headspace = 5.20 (ppm)

a. Purge Method: peristaltic pump
 b. Acceptance Criteria defined (see workplan)
 - Temperature 3% - D.O. < 0.5 mg/L - Drawdown < 0.3 ft
 - pH +1.0 unit - Turbidity < 10 NTU
 - Sp. Cond. 3% - ORP ± 10mV - >10NTU within 10%

c. Field Testing Equipment used: Make Model Serial Number

YSI 556 09 J101593

solinst 101 20143

HF Scientific micro TSM 7012-02163

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1600	2.0	16.10	6.62	1039	0.41	20.5	10.66	200	0.0	clear / none
1605	3.0	15.48	6.36	1031	0.43	18.8	8.87	200	0.0	clear / none
1610	4.0	15.50	6.28	1017	0.44	13.5	9.15	100	0.0	clear / none
1615	5.0	15.15	6.25	978	0.39	8.1	5.32	200	0.0	clear / none
1620	6.0	15.24	6.23	962	0.28	4.4	6.82	200	0.0	clear / none
1625	7.0	15.30	6.23	954	0.29	3.6	7.72	200	0.0	clear / none

d. Acceptance criteria pass/fail Yes No N/A

Has required volume been removed ☒ ☐ ☐

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: grab

Sample ID	Container Type	No.	Preservation	Analysis Req.	Time
12A-PS-ID-1	40mL VOA	3	HCL	8260B	1630
12A-GZA-105D-1	1L Amber Glass	1	none	8270C	
12A-GZA-105D-2 (duplicate)	250mL Plastic	1	HNO3	Total Arsenic	
→ collect double volume on	250mL Plastic	1	HNO3	Diss. Arsenic (field filtered)	
all parameters, except	filter and Falcon tube	1	none	qDHC 1.5L filtered	

Comments

pump on at 1550

→ purge water being poured back into well

→ roadbox does not lock to water tight → turns 90° to close

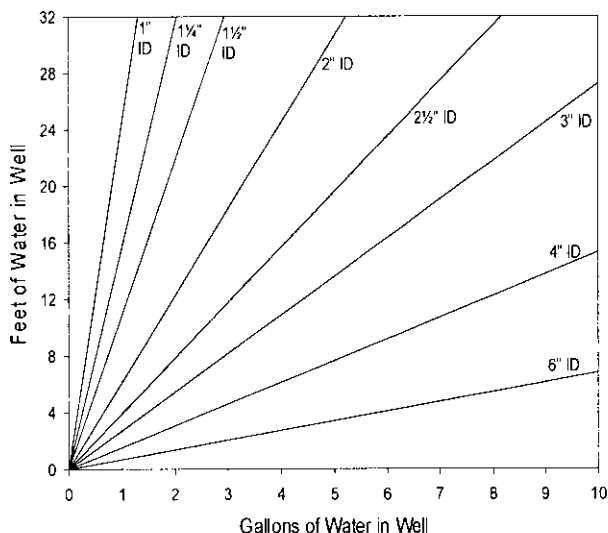
→ riser cut at angle (45°) and cracked (vertical) for top 4" → capped with 2" PVC cap

Signature

Tom Croft

Date

5/31/12



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

Purge Volume Calculation

$$[24 \text{ ft (tubing length)} \times 0.0097 \text{ L/ft}] + 0.275 \text{ L (flow cell vol.)} = 0.5078 \text{ L} ; 0.5078 \text{ L} \times 3 \text{ well vol.} = 1.52 \text{ L}$$

(continued from front)

[illegible]

5/14/2012

7³⁰ Scott Olson & Julien Chambert
onsiteweather overcast ~65F light rainH&S Briefing

- THA for GW Sampling/PDB deployment
- Site layout
- slips/trips/falls, uneven ground
- dissolved phase GW & PPE (level D)
- wetland/remote work
- Biological = plants, ticks, insects.
- Emergency Response.
 - Work Case (access st.)
 - Winchester Hospital
 - Contact #s in THA
 - Traffic in parking lot is very low except along wetland - cars enter and move quite fast.

Objectives: - Deploy PDBs

- Site Recon: find wells, photos, review documents

SGO 5/14

5/14/12

EMW10D @ 815

DTW = 1.51 ft

Total depth = 26.6 ft (soft)

Deployed 24" PDB on existing hanger in well; secured expansion plug; closed well. Road box bolts

Hanger cable 25 ft (measured 26.3 ft)

EMW11D @ 830

DTW = 2.68 ft.

TD = 32.65 ft (soft)

Deployed 24" PDB on existing Hanger cable ~29 ft (measured 30.5 ft)

(DTW & TD from highest pt on PVC)

GZA-105D @ 850

DTW = 4.95 ft

TD = 24.85 ft (HARD)

- Hanger Cable 24.10 ft to bottom loop on cable
- Deployed skinny diameter 36" PDB on existing cable hanger
- PVC casing cracked @ top 4"
- Uneven PVC casing @ top: Cap does not seal well tightly - but good road box.

GZA

4
5/14/12

- 9⁰⁰ located 4 EPL LNAPL Gauging

- 9⁴⁰ wells:

TRC-101 1.5" dia

CW-1 8" dia. } both appear to
CW-2 8" dia. } have product
(did not gauge)

PZ-25 - 4" dia.

* Only PZ-25 is labeled

CW-1 & CW-2 are manholes

(See EPL photos)

Closed wells

Prepare to enter woods/wetland

SG05/14

5
5/14/12

Wetland ~ 9⁴⁵ - 11³⁰

H&S Hip waders NO

Chest waders YES

Mostly dry land ~ 50 ft into

woods; some poison ivy

No ticks observed.

Mosquitoes bad.

11⁰⁰ found GZA14 & 14A

PS-15, 1M, 1D

TRC 301R

(Unable to unlock)

Found MW5 - out in H₂O

220 ft from water's edge

did not wade out.

~ 1130
out of
wetlands

Tick check → NONE

1130 Inside Bldg 1/A

met Gary STANIECH

* WWTP Contact - Gary to email

- 13¹⁵ * Reviewed dwgs inside Bldg 1

* Photos on grounds

(SG05/14)

5/14/12

87 Concord St. = Indoors Children's
Play Area.

Very little activity @
adjacent property bldg
(former Converse).

Vacant?

→ Now church?

13¹⁵ J. Chamber offsite
SGO walked Tank F Area &
took photos.

~1400 S. OLSON offsite

SGO
5/14

[Signature]
5/14/12

5/31/12

7¹⁵ Scott Olson, Tom Croft
(AECOM) Jeff Dvorak onsite
Erika Parsons/CDM Smith onsite

To be Sunny/P. Cloudy 77-80F

~7³⁰-8⁵⁰ H & S Briefing/Signoff

- Site Orientation - layout
- Former Operations
- Site Work & Hazards
 - Bio-ticks, insects, poison ivy
 - Uneven Surfaces.
 - CVOCs, petroleum, As, gasoline
 - Winchester Hospital
 - Emergency Procedures
 - Remote Wetland Work
 - Buddy Systems

8³⁰-9³⁰ J.D. + SGO make to retrieve
and sample PDBs (VOCs)
(3 wells + duplicate) ^{per}
used decon'd utility blade to cut PDBs
5/30 decon = DI water Alconox wash, 2 DI Rinse,
Air dry, wrap in foil overnight

SGO
5/31

5/31/12

GZA105D

PID well HS 5.2 ppm.

- 815 Retrieve & Sample PDB
for VOCs 3 vials
No evidence of film,
growth, or other on
exterior of PDB.
Ø extra vol. (exactly 3 vials)

EMW-11D

PID well HS = 0.1
ppm

- 840 Retrieve/Sample PDB
12A-EMW11D-PDB-1 & -2 (ours)
6 vials (plenty of volume)
Very minor evidence of Fe &
vt silt on bag/mesh
- No film or growth.
- Extra water to well. ~80 ml.

SGO
5/31

9

5/31/12

900 EMW-10D

PID well HS = 0.1 ppm

- Retrieve/Sample PDB
Very small amount of
silt on PDB but no growth
or other film.
Extra PDB water to well
~200 ml.

PDB samples for VOCs
In cooler on ICE.

- 930, 1000 Mobilize T.C. + J.D.
to PSID in wetland.

- 1015 SGO & E.P. Review site
plans, Tank F area,
& Scope, and BS/EPL
area & Scope.

Refer to AECOM logbook
05128508 for notes
regarding GW purging/sampling
@ GZA-105D, EMW-10D, EMW-11D,
and PS-1D.

SGO
5/31

Location 50 Fendham Rd, Wilmington, MA Date 5/31/12
Project / Client Lochhead Martin

0700- Tom Croft (this writer) and Jeff Dvorak arrive on-site

→ Scott Olson on-site

→ Erika Parsons (CDM) on-site

Weather: overcast, 70s, dry

Objectives: ① EPL product gauging

② gauge and sample GW from 4 monitoring wells for 8250, 8270, total and dissolved arsenic, and pH/C

OTIS- Scott Olson hosts health and safety tailgate meeting

Topics: ① site specific THA

② emergency → Winchester Hospital and
Coventry

③ $\text{CO}_2 \rightarrow \text{VO}_2, \text{CVO}_2, \text{métaux}$

④ Biological → poisonous plants, ticks,

⑤ slips/trips/falls

0750- Calibra PIV, model Mini Rae 2000

RF=1.0 ; SN# 110-013586

→ fresh air zone in EPL

→ 100ppm isobutylene span cal.

0755- begin YSI and turbidity meter calibration

→ refer to 'Water Quality Instrument Calibration Record'

T. cast

Location 50 Fordham Rd, Wilmington, DE Date 5/31/12Project / Client Lockheed Martin

1530- S. Olson off-site

1230- E. Parsons off-site

1700- sampling complete

→ record end-of-day measurement
for ORP due to low reading
in beginning of day

Waste: all purgenate generated
was pumped in reverse back into
the wells

PS-15: lock open and can not
close - needs to be replaced

1730 PSTM: keys did not open lock

~~1830~~ off-site to buy ice

→ re-pack coolers; complete COCs

1830- Ship cooler to microbial Ensignez Inc
by overnight shipping→ ~~remain~~ cooler has only 8 DHE samples

→ remainder of samples returned to
Chelmsford for Spectrum Courier pickup
on 6/1/12

→ coolers sealed with COC Seal in ER

T. Cull

Location _____ Date _____

Project / Client _____



CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
250 Apollo Dr.
Chelmsford, MA 01824

Telephone #: 978-905-2100
 Project Mgr. Art Taddeo

Invoice To: AECOM

P.O. No.: _____ RQN: _____

Project No.: 6026 7214.04.02

Site Name: LMC - ~~Witt~~ Wilmington

Location: 50 Fordham Rd., Wilmington State: MA

Sampler(s): Tom Croft, Jeff Dvorak

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Containers:	Analyses:
	12A-PS-10-1	5/31/12	1115	G	GW	3	1		2	X	X
	12A-GZA-105D-1		1630	G	GW	3	1		2	X	X
	12A-GZA-105D-2		1630	G	GW	3	1		2	X	X
	12A-EMW-110-1		1450	G	GW	3	1		2	X	X
	12A-EMW-100-1		1505	G	GW	9	3		6	X	X
	TB-053112			-	-	2				X	
	12A-EMW100-PDB-1	5/31/12	900	G	GW	3				X	
	12A-EMW110-PDB-1		840	G	GW	3				X	
	12A-EMW110-PDB-2		840	G	GW	3				X	
	12A- ~~EMW~~ 105D-PDB-1		815	G	GW	3				X	

QA/QC Reporting Notes:
 * additional charges may apply

MA DEP MCP CAM Report: Yes ☒ No ☐
 CT DPH RCP Report: Yes ☐ No ☒

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

Relinquished by: <u>[Signature]</u>	Received by: <u>[Signature]</u>	Date: <u>6/1/12</u>	Time: <u>12:50</u>	Temp°C: _____
☐ EDD Format ☒ E-mail to <u>lori.herberich@aecom.com</u>				
Condition upon receipt: ☐ Ambient ☒ Iced ☐ Refrigerated ☐ D/VOA Frozen ☐ Soil Jar Frozen				

FedEx
Tracking
Number

8768 3703 0719

1 From Please print and press hard.

Date 5/31/12 Sender's FedEx Account Number 0021 030 44

Sender's Name Scott Olson Phone (978) 905-2600

Company AECOM

Address 250 Apollo Drive

City Chelmsford State MA ZIP 01824

2 Your Internal Billing Reference

First 24 characters will appear on invoice.

3 To

Recipient's Name Sample Custodian Phone (265) 573-8188

Company Microbial Insights, Inc.

Address 2340 Stock Creek Blvd. Dept./Floor/Suite/Room

Address Use this line for the HOLD location address or for continuation of your shipping address.

City Rockford State TN ZIP 37853-3044



The FedEx US Airbill has changed. See Section 4.
For shipments over 150 lbs., order the new FedEx Express Freight US Airbill.

Form ID No. 0200

Sender's Copy

4 Express Package Service

* To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the new
FedEx Express Freight US Airbill.

Next Business Day

☒ FedEx First Overnight
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.☐ FedEx Priority Overnight
Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.☐ FedEx Standard Overnight
Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

☐ NEW FedEx 2Day A.M.
Second business morning.* Saturday Delivery NOT available.☐ FedEx 2Day
Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.☐ FedEx Express Saver
Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit \$500.

☐ FedEx Envelope* ☐ FedEx Pak* ☒ FedEx Box ☐ FedEx Tube ☐ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.☐ No Signature Required
Package may be left without obtaining a signature for delivery.☐ Direct Signature
Someone at recipient's address may sign for delivery. Fee applies.☐ Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required ☐ Dry Ice Dry Ice, 9 UN 1845 x kg ☐ Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages 1 Total Weight 9 lbs. Total Declared Value\$ 00

¹Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

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RETAIN THIS COPY FOR YOUR RECORDS

Location 50 Fordham Rd, Wilmington, MA Date 6/18/12

Project / Client Lockheed Martin Corp.

1700- Tom Craft arrives on-site

Weather: 60s, Sunny, day

Objectives: Collect groundwater sample from
Emw-10D for 1,4-Dioxane by Method 8270C

→ ~~Bring~~ original sample collected on
5/3/12 → recollected due to
lab error

→ call Scott Olson to check in

→ lay down plastic sheeting around well

→ YSI - water quality instrument calibrated

This morning prior to sampling another
site

→ refer to 'Instrument Calibration Record'

→ refer to 'Low Flow Groundwater Sample Collection
Record' for sampling details

→ instruments decontaminated with alconox and

DI H₂O rinse prior to use

1800- sampling complete

→ pump purge water back down well

→ no odors from water

→ collect end of day calibration check

1615- off-site

T. Craft

Project Name: Milford Power / Lockheed Martin Corp.

Project Number: 60145108

Date: 6/18/12

Instrument Calibration Record

Parameter	Instrument		Standard		Standard Value @ C	Ambient Temp. C	Initial Value	Adjusted Value	Initials & Time	Comments
	Manf/Model	Serial No.	Manf/Model	SN/Exp. Date						
pH 4.00	YSI 600XLM 556	09D120420	USE	Lot: 1A14249 Exp: 3/13	4.00 @ 25C	24.11 29.41	4.21 4.10	4.04 —	1147 1804	
pH 7.00				Lot: 1A1075 Exp: 11/13	7.00 @ 25C	23.49 27.80	7.15 6.95	7.00 —	1133 1758	Post Cal
pH 10.00				Lot: 1A1480 Exp: 9/13	10.00 @ 25C	22.63 27.93	10.19 10.07	10.00 —	1137 1808	Post Cal
Specific Cond.				Lot: 9090 Exp: 7/14/12	1,000 uS/cm @ 25C	22.91 26.72	1159 972	1000 —	1130 1754	Post Cal
Specific Cond. (check only)			NA		— uS/cm @ 25C			—		Post Cal
ORP			Zobell 85	Lot: 114100136 Exp: 8/13	231.0 mV @ 25 C	24.06 26.62	233.6 229.8	231.0 —	1153 1752	Post Cal
DO			H2O Saturated Air		100% mg/L @ — C	24.32 29.65	96.92/81.0 mg/L 100.5/7.61	100%/82.7 mg/L —	1123 1815	BP = 759.8 mmHg Post Cal: BP = 763.8 mmHg
DO (zero DO)			Oakton	Lot: QX1 Exp: 3/13	0 mg/L @ — C	23.78 28.42	0.07 0.08	— —	1158 1812	Post Cal
Temperature (check only)			NA		N/A			—		Post Cal
Turbidity					0.02 NTU	N/A	0.01	0.02	1159	
					0.02 NTU	N/A	0.02	—	1810	Post Cal
					10 NTU	N/A	10.69	10.05	1157	
					10 NTU	N/A	9.96	—	1810	Post Cal
<u>OVM/PID</u>					1,000 NTU	N/A	989.8	997.7	1155	
					1,000 NTU	N/A	962.5	—	1810	Post Cal

BP = Barometric Pressure (mmHg)



US Environmental Rental Corporation

(888) 550-8100

www.usenvironmental.com



556

166 Riverview Ave, Waltham, MA 02453 (781) 899-1560
91 Prestige Park Circle, Suite 5, East Hartford, CT 06108 (860) 289-8700
5C South Gold Dr, Hamilton, NJ 08691 (609) 570-8555
1202 Tech Blvd., Suite 108, Tampa, FL 33619 (813) 828-4200

Order No.: 44954

Date: 6/15/2012

Technician: WEJ

Company: AECOM
Contact: Tom Croft
Phone #: 978-905-2100

Packing List

Item		Serial Number		Tech	QC	
Probe		09D100420		✓	✓	
Handheld Display		09D100420		✓	✓	
Item		Tech	QC	Item	Tech	QC
Cable	33'	✓	✓	AC Adaptor		
Flow Cell		✓	✓	Stand		
Barb Kit		✓	✓	D.O Kit	✓	✓
Storage / Cal Cup		✓	✓	Calibration Kit	✓	✓
Sensor Guard		✓	✓			
Manual		✓	✓			
Sonde Cap						
Software		✓	✓			
Extra Batteries		✓	✓			
Display Comm. Cable		✓	✓			
Sonde Comm. Cable						

Calibration Report

Calibration Report				
Probe		09D100420	5/21/2012	
Parameter	Accuracy	Before	After	Lot #
Conductivity 1000 μ S/cm	(+/- .5%)	942	1000	8808
pH 7 Buffer	(+/- .2)	6.98	7.00	9093
pH mV for 7 Buffer	(0 +/- 50)		-1.4	
pH 4 Buffer	(+/- .2)	3.84	4.00	9092
pH mV for 4 Buffer	(180 +/- 50)		169.4	
pH 10 Buffer	(+/- .2)	9.72	9.95	9055
pH mV for 10 Buffer	(-180 +/- 50)		-156.1	
ORP mV, 237.5	(+/- 20 mV)	307.3	100.00	9094
DO 100% Sat	(+/- 2%)	86.8%	100.7%	
0% DO Check	(+/- 2%)		0.50	OR1
Turbidity 0 NTU	(+/- 5%)	NA	NA	NA
Turbidity 126 NTU	(+/- 5%)	NA	NA	NA

This document certifies that US Environmental Rental Corporation has provided this rental equipment and all accessories in good working order. It is the renter's responsibility to: a) review all included items upon receipt, b) verify that all items are in acceptable condition and function properly, and c) contact a US Environmental associate immediately if any item is missing, damaged, and/or not functioning properly. Any delay in notifying US Environmental will be considered as the Renter taking responsibility for such missing, damaged, and/or malfunctioning item.

Missing, damaged, and/or malfunctioning equipment and accessories will result in additional fees.

Low Flow Ground Water Sample Collection Record

Client: Lockheed Martin Corp. Date: 6/18/12 Time: Start 1705 am/pm am
 Project No: 60267214.04.02 Finish am/pm
 Site Location: 50 Fordham Rd., Wilmington, MA
 Weather Conds: Sunny, 60s, dry Collector(s): Tom Croft/ Jeff Dvorak

1. WELL & WATER LEVEL DATA: (measured in feet from Top of Casing unless noted)

a. Total Well Length 29' c. Screen Length 10' 2" PVC Casing
 b. Water Table Depth 24' - 1.62' tubing d. Pump Intake 24'
 e. Calculated System Purge Volume 1.61 L (calculation on page 2)

2. WELL PURGE DATA

a. Purge Method: peristaltic pump

b. Acceptance Criteria defined (see workplan)

- Temperature 3% - D.O. < 0.5 mg/L - Drawdown < 0.3 ft
 - pH ± 1.0 unit - Turbidity < 10 NTU
 - Sp. Cond. 3% - ORP ± 10mV > 0.5 mg/L within 10% > 10NTU within 10%

c. Field Testing Equipment used: Make Model Serial Number

YSI 556 090100420

Solinst 101 20293

HF Scientific Mestech 201202168

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1720	2.10	17.00	5.54	732	3.18	-57.4	19.15	210	0.03	clear/none
1725	3.23	16.40	5.18	751	0.38	-40.6	15.86	225	0.04	clear/none
1730	4.36	16.27	5.35	755	0.25	-51.2	6.11	225	0.04	clear/none
1735	5.39	16.25	5.42	755	0.24	-51.0	3.62	225	0.04	clear/none
1740	6.62	16.07	5.43	750	0.25	-48.7	2.54	225	0.04	clear/none

d. Acceptance criteria pass/fail Yes No N/A

(continued on back)

Has required volume been removed ☒ ☐ ☐
 Has required turbidity been reached ☒ ☐ ☐
 Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

3. SAMPLE COLLECTION: Method: grab

Sample ID	Container Type	No.	Preservation	Analysis Req.	Time
12A-PS-1D-1	40mL VOA	3	HCL	8260B	1745
12A-EMW-10D-1	1L Amber Glass	1	none	8270C	
MS/MSD collected as	250mL Plastic	1	HNO3	Total Arsenic	
2 extra volumes	250mL Plastic	1	HNO3	Diss. Arsenic (field filtered)	
	filter and Falcon tube	1	none	qDHC	

Comments

pump on at 1710
→ groundwater pumped back into well following sample collection

Signature

Tom Croft

Date

6/18/12



CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- ☐ All TATs subject to laboratory approval.
- ☐ Min. 24-hour notification needed for rushes.
- ☐ Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM
750 Apollo Drive
Chelmsford, MA 01824
Telephone #: 978-905-2100
Project Mgr. Scott Olson

Invoice To: AECOM
P.O. No.: _____ RQN: _____

Project No.: 0263214
Site Name: LMC-Wil
Location: 50 Foodham Rd, Wilmington, MA
Sampler(s): Tom Craft

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11=12=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☒ No ☐
CT DPH RCP Report: Yes ☐ No ☒

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

MS/msd

Analyses:

Containers:

of VOA Vials

of Amber Glass

of Clear Glass

of Plastic

Matrix Type

G=Grab C=Composite

Lab Id: 12A-Emw-10D-1 Date: 6/18/12 Time: 1745

Relinquished by:

Received by:

Temp °C

Time:

Date:

EDD Format

E-mail to Lori Herberich @ aecom.com
Scott Olson @ aecom.com

Condition upon receipt:

☐ Ambient ☒ Fridge ☐ Refrigerated ☐ DVOA Frozen ☐ Soil Jar Frozen

Appendix B

Groundwater Laboratory Analytical Reports and Data Validation Summary

Report Date:
21-Jun-12 13:19



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

AECOM Environment
250 Apollo Drive
Chelmsford, MA 01824
Attn: Art Taddeo

Project: 50 Fordham Rd - Wilmington, MA
Project #: 60267214.04.02

- ☐ Final Report
☐ Re-Issued Report
☒ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SB50231-01	12A-PS-1D-1	Ground Water	31-May-12 11:15	01-Jun-12 19:00
SB50231-02	12A-GZA-105D-1	Ground Water	31-May-12 16:30	01-Jun-12 19:00
SB50231-03	12A-GZA-105D-2	Ground Water	31-May-12 16:30	01-Jun-12 19:00
SB50231-04	12A-EMW-11D-1	Ground Water	31-May-12 14:50	01-Jun-12 19:00
SB50231-05	12A-EMW-10D-1	Ground Water	31-May-12 15:05	01-Jun-12 19:00
SB50231-06	TB-053112	Aqueous	31-May-12 00:00	01-Jun-12 19:00
SB50231-07	12A-EMW-10D-PDB-1	Ground Water	31-May-12 09:00	01-Jun-12 19:00
SB50231-08	12A-EMW-11D-PDB-1	Ground Water	31-May-12 08:40	01-Jun-12 19:00
SB50231-09	12A-EMW-11D-PDB-2	Ground Water	31-May-12 08:40	01-Jun-12 19:00
SB50231-10	12A-GZA-105D-PDB-1	Ground Water	31-May-12 08:15	01-Jun-12 19:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes.
Please note that this report contains 43 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

MassDEP Analytical Protocol Certification Form

Laboratory Name: Spectrum Analytical, Inc.			Project #: 60267214.04.02		
Project Location: 50 Fordham Rd - Wilmington, MA			RTN:		
This form provides certifications for the following data set:			SB50231-01 through SB50231-10		
Matrices: Aqueous Ground Water					
CAM Protocol					
✓ 8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
✓ 8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
✓ 6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A	9012 Total Cyanide/PAC CAM VI A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B
<i>Affirmative responses to questions A through F are required for "Presumptive Certainty" status</i>					
A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?				Yes ✓ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?				✓ Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?				✓ Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?				✓ Yes No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?				Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to questions A through E)?				✓ Yes No
<i>Responses to questions G, H and I below are required for "Presumptive Certainty" status</i>					
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?				Yes ✓ No
<u>Data User Note:</u> Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40.1056 (2)(k) and WSC-07-350.					
H	Were all QC performance standards specified in the CAM protocol(s) achieved?				Yes ✓ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?				Yes ✓ No
<i>All negative responses are addressed in a case narrative on the cover page of this report.</i>					
<i>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.</i>  Nicole Leja Laboratory Director Date: 6/21/2012					

This laboratory report is not valid without an authorized signature on the cover page.

CASE NARRATIVE:

The samples were received 1.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

According to WSC-CAM 5/2009 Rev.1, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended recovery range, a range has been set based on historical control limits.

Some target analytes which are not listed as exceptions in the Summary of CAM Reporting Limits may exceed the recommended RL based on sample initial volume or weight provided, % moisture content, or responsiveness of a particular analyte to purge and trap instrumentation.

SW846 8270 Case Narrative:

This report has been revised to include the 1,4-Dioxane SIM data for SB50231-05. The container for this sample was inadvertently not sub-contracted for analysis and the error not realized until after the initial report was issued. The sample was re-analyzed past the method hold time and a new report generated.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8260C**Calibration:**

1205061

Analyte quantified by quadratic equation type calibration.

1,1,2-Trichlorotrifluoroethane (Freon 113)
1,2,3-Trichlorobenzene
1,2-Dibromo-3-chloropropane
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Naphthalene
n-Butylbenzene
sec-Butylbenzene
trans-1,3-Dichloropropene
Vinyl chloride

SW846 8260C

Calibration:

1205061

This affected the following samples:

1214076-BLK1
1214076-BS1
1214076-BSD1
1214076-MS1
1214076-MSD1
12A-EMW-10D-1
12A-EMW-10D-PDB-1
12A-EMW-11D-1
12A-EMW-11D-PDB-1
12A-EMW-11D-PDB-2
12A-GZA-105D-1
12A-GZA-105D-2
12A-GZA-105D-PDB-1
12A-PS-1D-1
S206400-ICV1
S207166-CCV1
TB-053112

S206400-ICV1

Analyte percent recovery is outside individual acceptance criteria (70-130).

Vinyl chloride (66%)

This affected the following samples:

1214076-BLK1
1214076-BS1
1214076-BSD1
1214076-MS1
1214076-MSD1
12A-EMW-10D-1
12A-EMW-10D-PDB-1
12A-EMW-11D-1
12A-EMW-11D-PDB-1
12A-EMW-11D-PDB-2
12A-GZA-105D-1
12A-GZA-105D-2
12A-GZA-105D-PDB-1
12A-PS-1D-1
S207166-CCV1
TB-053112

Laboratory Control Samples:

1214076 BS/BSD

SW846 8260C

Laboratory Control Samples:

1214076 BS/BSD

1,2-Dichloroethane percent recoveries (124/133) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

12A-EMW-10D-1
12A-EMW-10D-PDB-1
12A-EMW-11D-1
12A-EMW-11D-PDB-1
12A-EMW-11D-PDB-2
12A-GZA-105D-1
12A-GZA-105D-2
12A-GZA-105D-PDB-1
12A-PS-1D-1
TB-053112

Spikes:

1214076-MS1 *Source: SB50231-05*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Carbon disulfide
Chloromethane
tert-Butylbenzene

1214076-MSD1 *Source: SB50231-05*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

2-Butanone (MEK)
Acetone
Carbon disulfide
tert-Butylbenzene

Samples:

S207166-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2,4-Trimethylbenzene (20.2%)
1,2-Dichloroethane (24.4%)
1,3,5-Trimethylbenzene (26.1%)
4-Isopropyltoluene (21.0%)
Dibromochloromethane (23.1%)
Isopropylbenzene (24.4%)
n-Propylbenzene (20.9%)
tert-Butylbenzene (29.8%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Carbon tetrachloride (21.4%)
Trichlorofluoromethane (Freon 11) (27.4%)

SW846 8260C

Samples:

S207166-CCV1

This affected the following samples:

1214076-BLK1
1214076-BS1
1214076-BSD1
1214076-MS1
1214076-MSD1
12A-EMW-10D-1
12A-EMW-10D-PDB-1
12A-EMW-11D-1
12A-EMW-11D-PDB-1
12A-EMW-11D-PDB-2
12A-GZA-105D-1
12A-GZA-105D-2
12A-GZA-105D-PDB-1
12A-PS-1D-1
TB-053112

SB50231-02 *12A-GZA-105D-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB50231-03 *12A-GZA-105D-2*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB50231-10 *12A-GZA-105D-PDB-1*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Identification

12A-PS-1D-1

SB50231-01

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 11:15

Received

01-Jun-12

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
Volatile Organic Compounds													
<u>Volatile Organic Compounds</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	11.5		µg/l	1.00	0.72	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

12A-PS-1D-1

SB50231-01

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 11:15

Received

01-Jun-12

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
Volatile Organic Compounds													
<u>Volatile Organic Compounds</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	2.00		µg/l	1.00	0.65	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	8.14		µg/l	1.00	0.74	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	
79-01-6	Trichloroethene	28.2		µg/l	1.00	0.76	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
75-01-4	Vinyl chloride	1.12		µg/l	1.00	0.81	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	
<u>Surrogate recoveries:</u>													
460-00-4	4-Bromofluorobenzene	100			70-130 %			"	"	"	"	"	
2037-26-5	Toluene-d8	102			70-130 %			"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	116			70-130 %			"	"	"	"	"	
1868-53-7	Dibromofluoromethane	106			70-130 %			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	Field Preserved		N/A			1	EPA 200/6000 methods			DJB	1213026	

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Sample Identification

12A-PS-1D-1

SB50231-01

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 11:15

Received

01-Jun-12

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	0.0098		mg/l	0.0040	0.0032	1	SW846 6010C	11-Jun-12	13-Jun-12	EDT	1213690	
Soluble Metals by EPA 200/6000 Series Methods													
	Filtration	Field Filtered		N/A			1	EPA 200.7/3005A/601 0			AMT	1213060	
Soluble Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	0.0100		mg/l	0.0040	0.0032	1	SW846 6010C	09-Jun-12	11-Jun-12	EDT	1213542	
Subcontracted Analyses													
<u>Subcontracted Analyses</u>													
<u>Prepared by method SW3510</u>													
<i>Analysis performed by Spectrum Analytical, Inc.-- RI Division</i>													
123-91-1	1,4-Dioxane	< 0.20		ug/L	0.20	0.070	1	SW846 8270D SIM	06-Jun-12	08-Jun-12	M-RI9	66552	
Surrogate recoveries:													
17647-74-4	1,4-Dioxane-d8	31.2			10-150 %			"	"	"	"	"	

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Sample Identification

12A-GZA-105D-1

SB50231-02

Client Project

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 16:30

Received

01-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds			GS1										
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 25.0		µg/l	25.0	16.2	25	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
67-64-1	Acetone	< 250		µg/l	250	63.9	25	"	"	"	"	"	
107-13-1	Acrylonitrile	< 12.5		µg/l	12.5	11.5	25	"	"	"	"	"	
71-43-2	Benzene	< 25.0		µg/l	25.0	16.7	25	"	"	"	"	"	
108-86-1	Bromobenzene	< 25.0		µg/l	25.0	18.0	25	"	"	"	"	"	
74-97-5	Bromochloromethane	< 25.0		µg/l	25.0	17.8	25	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 12.5		µg/l	12.5	12.0	25	"	"	"	"	"	
75-25-2	Bromoform	< 25.0		µg/l	25.0	15.1	25	"	"	"	"	"	
74-83-9	Bromomethane	< 50.0		µg/l	50.0	28.5	25	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 250		µg/l	250	43.4	25	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 25.0		µg/l	25.0	14.0	25	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 25.0		µg/l	25.0	20.5	25	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 25.0		µg/l	25.0	18.6	25	"	"	"	"	"	
75-15-0	Carbon disulfide	< 50.0		µg/l	50.0	15.7	25	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 25.0		µg/l	25.0	13.7	25	"	"	"	"	"	
108-90-7	Chlorobenzene	< 25.0		µg/l	25.0	16.4	25	"	"	"	"	"	
75-00-3	Chloroethane	< 50.0		µg/l	50.0	25.8	25	"	"	"	"	"	
67-66-3	Chloroform	< 25.0		µg/l	25.0	17.2	25	"	"	"	"	"	
74-87-3	Chloromethane	< 50.0		µg/l	50.0	36.8	25	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 25.0		µg/l	25.0	19.8	25	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 25.0		µg/l	25.0	18.3	25	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 50.0		µg/l	50.0	23.2	25	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 12.5		µg/l	12.5	7.22	25	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 12.5		µg/l	12.5	8.18	25	"	"	"	"	"	
74-95-3	Dibromomethane	< 25.0		µg/l	25.0	16.6	25	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 25.0		µg/l	25.0	16.7	25	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 25.0		µg/l	25.0	17.8	25	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 25.0		µg/l	25.0	15.6	25	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 50.0		µg/l	50.0	11.2	25	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	37.0		µg/l	25.0	17.0	25	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 25.0		µg/l	25.0	19.5	25	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	25.2		µg/l	25.0	12.2	25	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	812		µg/l	25.0	17.9	25	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 25.0		µg/l	25.0	17.0	25	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 25.0		µg/l	25.0	17.8	25	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 25.0		µg/l	25.0	20.2	25	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 25.0		µg/l	25.0	15.1	25	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 25.0		µg/l	25.0	15.9	25	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 12.5		µg/l	12.5	6.30	25	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 12.5		µg/l	12.5	12.5	25	"	"	"	"	"	
100-41-4	Ethylbenzene	< 25.0		µg/l	25.0	18.3	25	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 12.5		µg/l	12.5	11.2	25	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 250		µg/l	250	13.6	25	"	"	"	"	"	

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Sample Identification

12A-GZA-105D-1

SB50231-02

Client Project

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 16:30

Received

01-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds			GS1										
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 25.0		µg/l	25.0	15.5	25	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
99-87-6	4-Isopropyltoluene	< 25.0		µg/l	25.0	15.2	25	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 25.0		µg/l	25.0	16.3	25	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 250		µg/l	250	23.3	25	"	"	"	"	"	
75-09-2	Methylene chloride	< 50.0		µg/l	50.0	17.2	25	"	"	"	"	"	
91-20-3	Naphthalene	< 25.0		µg/l	25.0	8.28	25	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 25.0		µg/l	25.0	19.0	25	"	"	"	"	"	
100-42-5	Styrene	< 25.0		µg/l	25.0	15.4	25	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 25.0		µg/l	25.0	15.6	25	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 12.5		µg/l	12.5	8.72	25	"	"	"	"	"	
127-18-4	Tetrachloroethene	885		µg/l	25.0	18.6	25	"	"	"	"	"	
108-88-3	Toluene	< 25.0		µg/l	25.0	20.3	25	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 25.0		µg/l	25.0	9.40	25	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 25.0		µg/l	25.0	9.00	25	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 25.0		µg/l	25.0	19.6	25	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 25.0		µg/l	25.0	14.6	25	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 25.0		µg/l	25.0	16.0	25	"	"	"	"	"	
79-01-6	Trichloroethene	1,560		µg/l	25.0	18.9	25	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 25.0		µg/l	25.0	15.7	25	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 25.0		µg/l	25.0	18.4	25	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 25.0		µg/l	25.0	18.9	25	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 25.0		µg/l	25.0	18.6	25	"	"	"	"	"	
75-01-4	Vinyl chloride	124		µg/l	25.0	20.2	25	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 50.0		µg/l	50.0	41.0	25	"	"	"	"	"	
95-47-6	o-Xylene	< 25.0		µg/l	25.0	22.0	25	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 50.0		µg/l	50.0	36.0	25	"	"	"	"	"	
60-29-7	Ethyl ether	< 25.0		µg/l	25.0	17.3	25	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 25.0		µg/l	25.0	18.0	25	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 25.0		µg/l	25.0	19.6	25	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 25.0		µg/l	25.0	18.2	25	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 250		µg/l	250	216	25	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 500		µg/l	500	351	25	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 125		µg/l	125	19.2	25	"	"	"	"	"	
64-17-5	Ethanol	< 10000		µg/l	10000	892	25	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	4-Bromofluorobenzene	98			70-130 %			"	"	"	"	"	
2037-26-5	Toluene-d8	101			70-130 %			"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	121			70-130 %			"	"	"	"	"	
1868-53-7	Dibromofluoromethane	105			70-130 %			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	Field Preserved		N/A			1	EPA 200/6000 methods			DJB	1213026	

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Sample Identification**12A-GZA-105D-1**

SB50231-02

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 16:30

Received

01-Jun-12

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	0.0968		mg/l	0.0040	0.0032	1	SW846 6010C	11-Jun-12	13-Jun-12	EDT	1213690	
Soluble Metals by EPA 200/6000 Series Methods													
	Filtration	Field Filtered		N/A			1	EPA 200.7/3005A/601 0			AMT	1213060	
Soluble Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	0.0953		mg/l	0.0040	0.0032	1	SW846 6010C	09-Jun-12	11-Jun-12	EDT	1213542	
Subcontracted Analyses													
<u>Subcontracted Analyses</u>													
<u>Prepared by method SW3510</u>													
<i>Analysis performed by Spectrum Analytical, Inc.-- RI Division</i>													
123-91-1	1,4-Dioxane	2.2		ug/L	0.20	0.070	1	SW846 8270D SIM	06-Jun-12	08-Jun-12	M-RI9	66552	
Surrogate recoveries:													
17647-74-4	1,4-Dioxane-d8	90.5			10-150 %			"	"	"	"	"	

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Sample Identification

12A-GZA-105D-2

SB50231-03

Client Project

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 16:30

Received

01-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds			GS1										
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 25.0		µg/l	25.0	16.2	25	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
67-64-1	Acetone	< 250		µg/l	250	63.9	25	"	"	"	"	"	
107-13-1	Acrylonitrile	< 12.5		µg/l	12.5	11.5	25	"	"	"	"	"	
71-43-2	Benzene	< 25.0		µg/l	25.0	16.7	25	"	"	"	"	"	
108-86-1	Bromobenzene	< 25.0		µg/l	25.0	18.0	25	"	"	"	"	"	
74-97-5	Bromochloromethane	< 25.0		µg/l	25.0	17.8	25	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 12.5		µg/l	12.5	12.0	25	"	"	"	"	"	
75-25-2	Bromoform	< 25.0		µg/l	25.0	15.1	25	"	"	"	"	"	
74-83-9	Bromomethane	< 50.0		µg/l	50.0	28.5	25	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 250		µg/l	250	43.4	25	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 25.0		µg/l	25.0	14.0	25	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 25.0		µg/l	25.0	20.5	25	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 25.0		µg/l	25.0	18.6	25	"	"	"	"	"	
75-15-0	Carbon disulfide	< 50.0		µg/l	50.0	15.7	25	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 25.0		µg/l	25.0	13.7	25	"	"	"	"	"	
108-90-7	Chlorobenzene	< 25.0		µg/l	25.0	16.4	25	"	"	"	"	"	
75-00-3	Chloroethane	< 50.0		µg/l	50.0	25.8	25	"	"	"	"	"	
67-66-3	Chloroform	< 25.0		µg/l	25.0	17.2	25	"	"	"	"	"	
74-87-3	Chloromethane	< 50.0		µg/l	50.0	36.8	25	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 25.0		µg/l	25.0	19.8	25	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 25.0		µg/l	25.0	18.3	25	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 50.0		µg/l	50.0	23.2	25	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 12.5		µg/l	12.5	7.22	25	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 12.5		µg/l	12.5	8.18	25	"	"	"	"	"	
74-95-3	Dibromomethane	< 25.0		µg/l	25.0	16.6	25	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 25.0		µg/l	25.0	16.7	25	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 25.0		µg/l	25.0	17.8	25	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 25.0		µg/l	25.0	15.6	25	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 50.0		µg/l	50.0	11.2	25	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	38.2		µg/l	25.0	17.0	25	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 25.0		µg/l	25.0	19.5	25	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 25.0		µg/l	25.0	12.2	25	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	846		µg/l	25.0	17.9	25	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 25.0		µg/l	25.0	17.0	25	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 25.0		µg/l	25.0	17.8	25	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 25.0		µg/l	25.0	20.2	25	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 25.0		µg/l	25.0	15.1	25	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 25.0		µg/l	25.0	15.9	25	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 12.5		µg/l	12.5	6.30	25	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 12.5		µg/l	12.5	12.5	25	"	"	"	"	"	
100-41-4	Ethylbenzene	< 25.0		µg/l	25.0	18.3	25	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 12.5		µg/l	12.5	11.2	25	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 250		µg/l	250	13.6	25	"	"	"	"	"	

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Sample Identification

12A-GZA-105D-2

SB50231-03

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 16:30

Received

01-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds			GS1										
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 25.0		µg/l	25.0	15.5	25	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
99-87-6	4-Isopropyltoluene	< 25.0		µg/l	25.0	15.2	25	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 25.0		µg/l	25.0	16.3	25	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 250		µg/l	250	23.3	25	"	"	"	"	"	
75-09-2	Methylene chloride	< 50.0		µg/l	50.0	17.2	25	"	"	"	"	"	
91-20-3	Naphthalene	< 25.0		µg/l	25.0	8.28	25	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 25.0		µg/l	25.0	19.0	25	"	"	"	"	"	
100-42-5	Styrene	< 25.0		µg/l	25.0	15.4	25	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 25.0		µg/l	25.0	15.6	25	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 12.5		µg/l	12.5	8.72	25	"	"	"	"	"	
127-18-4	Tetrachloroethene	866		µg/l	25.0	18.6	25	"	"	"	"	"	
108-88-3	Toluene	< 25.0		µg/l	25.0	20.3	25	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 25.0		µg/l	25.0	9.40	25	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 25.0		µg/l	25.0	9.00	25	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 25.0		µg/l	25.0	19.6	25	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 25.0		µg/l	25.0	14.6	25	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 25.0		µg/l	25.0	16.0	25	"	"	"	"	"	
79-01-6	Trichloroethene	1,580		µg/l	25.0	18.9	25	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 25.0		µg/l	25.0	15.7	25	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 25.0		µg/l	25.0	18.4	25	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 25.0		µg/l	25.0	18.9	25	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 25.0		µg/l	25.0	18.6	25	"	"	"	"	"	
75-01-4	Vinyl chloride	128		µg/l	25.0	20.2	25	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 50.0		µg/l	50.0	41.0	25	"	"	"	"	"	
95-47-6	o-Xylene	< 25.0		µg/l	25.0	22.0	25	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 50.0		µg/l	50.0	36.0	25	"	"	"	"	"	
60-29-7	Ethyl ether	< 25.0		µg/l	25.0	17.3	25	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 25.0		µg/l	25.0	18.0	25	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 25.0		µg/l	25.0	19.6	25	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 25.0		µg/l	25.0	18.2	25	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 250		µg/l	250	216	25	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 500		µg/l	500	351	25	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 125		µg/l	125	19.2	25	"	"	"	"	"	
64-17-5	Ethanol	< 10000		µg/l	10000	892	25	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	4-Bromofluorobenzene	97			70-130 %			"	"	"	"	"	
2037-26-5	Toluene-d8	104			70-130 %			"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	122			70-130 %			"	"	"	"	"	
1868-53-7	Dibromofluoromethane	106			70-130 %			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	Field Preserved		N/A			1	EPA 200/6000 methods			DJB	1213026	

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Sample Identification**12A-GZA-105D-2**

SB50231-03

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 16:30

Received

01-Jun-12

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	0.0948		mg/l	0.0040	0.0032	1	SW846 6010C	11-Jun-12	13-Jun-12	EDT	1213690	
Soluble Metals by EPA 200/6000 Series Methods													
	Filtration	Field Filtered		N/A			1	EPA 200.7/3005A/601 0			AMT	1213060	
Soluble Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	0.0954		mg/l	0.0040	0.0032	1	SW846 6010C	09-Jun-12	11-Jun-12	EDT	1213542	
Subcontracted Analyses													
<u>Subcontracted Analyses</u>													
<u>Prepared by method SW3510</u>													
<i>Analysis performed by Spectrum Analytical, Inc.-- RI Division</i>													
123-91-1	1,4-Dioxane	1.9		ug/L	0.20	0.070	1	SW846 8270D SIM	06-Jun-12	08-Jun-12	M-RI9	66552	
Surrogate recoveries:													
17647-74-4	1,4-Dioxane-d8	61.8			10-150 %			"	"	"	"	"	

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Sample Identification

12A-EMW-11D-1

SB50231-04

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 14:50

Received

01-Jun-12

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
Volatile Organic Compounds													
<u>Volatile Organic Compounds</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	2.71		µg/l	1.00	0.74	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	2.93		µg/l	1.00	0.68	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	36.4		µg/l	1.00	0.72	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	1.42		µg/l	1.00	0.68	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	

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Sample Identification

12A-EMW-11D-1

SB50231-04

Client Project

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 14:50

Received

01-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	19.2		µg/l	1.00	0.74	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	
79-01-6	Trichloroethene	42.0		µg/l	1.00	0.76	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
75-01-4	Vinyl chloride	28.1		µg/l	1.00	0.81	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	4-Bromofluorobenzene	101			70-130 %			"	"	"	"	"	
2037-26-5	Toluene-d8	103			70-130 %			"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	123			70-130 %			"	"	"	"	"	
1868-53-7	Dibromofluoromethane	106			70-130 %			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	Field Preserved		N/A			1	EPA 200/6000 methods			DJB	1213026	

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Sample Identification

12A-EMW-11D-1

SB50231-04

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 14:50

Received

01-Jun-12

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	0.278		mg/l	0.0040	0.0032	1	SW846 6010C	11-Jun-12	13-Jun-12	EDT	1213690	
Soluble Metals by EPA 200/6000 Series Methods													
	Filtration	Field Filtered		N/A			1	EPA 200.7/3005A/601 0			AMT	1213060	
Soluble Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	0.285		mg/l	0.0040	0.0032	1	SW846 6010C	09-Jun-12	11-Jun-12	EDT	1213542	
Subcontracted Analyses													
<u>Subcontracted Analyses</u>													
<u>Prepared by method SW3510</u>													
<i>Analysis performed by Spectrum Analytical, Inc.-- RI Division</i>													
123-91-1	1,4-Dioxane	< 0.20		ug/L	0.20	0.070	1	SW846 8270D SIM	06-Jun-12	08-Jun-12	M-RI9	66552	
Surrogate recoveries:													
17647-74-4	1,4-Dioxane-d8	32.4			10-150 %			"	"	"	"	"	

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Sample Identification

12A-EMW-10D-1

SB50231-05

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 15:05

Received

01-Jun-12

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
Volatile Organic Compounds													
<u>Volatile Organic Compounds</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	8.12		µg/l	1.00	0.72	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

12A-EMW-10D-1

SB50231-05

Client Project

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 15:05

Received

01-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	17.4		µg/l	1.00	0.74	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	
79-01-6	Trichloroethene	12.0		µg/l	1.00	0.76	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	4-Bromofluorobenzene	96			70-130 %			"	"	"	"	"	
2037-26-5	Toluene-d8	100			70-130 %			"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	118			70-130 %			"	"	"	"	"	
1868-53-7	Dibromofluoromethane	107			70-130 %			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	Field Preserved		N/A			1	EPA 200/6000 methods			DJB	1213026	

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Sample Identification

12A-EMW-10D-1

SB50231-05

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 15:05

Received

01-Jun-12

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
Total Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	0.0274		mg/l	0.0040	0.0032	1	SW846 6010C	11-Jun-12	13-Jun-12	EDT	1213690	
Soluble Metals by EPA 200/6000 Series Methods													
	Filtration	Field Filtered		N/A			1	EPA 200.7/3005A/601 0			AMT	1213060	
Soluble Metals by EPA 6000/7000 Series Methods													
7440-38-2	Arsenic	0.0104		mg/l	0.0040	0.0032	1	SW846 6010C	09-Jun-12	11-Jun-12	EDT	1213542	
Subcontracted Analyses													
<u>Subcontracted Analyses</u>													
<u>Prepared by method SW3510</u>													
<i>Analysis performed by Spectrum Analytical, Inc.-- RI Division</i>													
123-91-1	1,4-Dioxane	< 0.20		ug/L	0.20	0.070	1	SW846 8270D SIM	18-Jun-12	18-Jun-12	MRI90	66804	
Surrogate recoveries:													
17647-74-4	1,4-Dioxane-d8	22.5			10-150 %			"	"	"	"	"	

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Sample Identification

TB-053112
SB50231-06

Client Project #
60267214.04.02

Matrix
Aqueous

Collection Date/Time
31-May-12 00:00

Received
01-Jun-12

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
Volatile Organic Compounds													
<u>Volatile Organic Compounds</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	

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Sample Identification

TB-053112
SB50231-06

Client Project #
60267214.04.02

Matrix
Aqueous

Collection Date/Time
31-May-12 00:00

Received
01-Jun-12

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
Volatile Organic Compounds													
<u>Volatile Organic Compounds</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	97			70-130 %		"	"	"	"	"	"	
2037-26-5	Toluene-d8	101			70-130 %		"	"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	115			70-130 %		"	"	"	"	"	"	
1868-53-7	Dibromofluoromethane	105			70-130 %		"	"	"	"	"	"	

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Sample Identification

12A-EMW-10D-PDB-1

SB50231-07

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 09:00

Received

01-Jun-12

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
Volatile Organic Compounds													
<u>Volatile Organic Compounds</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	7.48		µg/l	1.00	0.72	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.68	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

12A-EMW-10D-PDB-1

SB50231-07

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 09:00

Received

01-Jun-12

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
Volatile Organic Compounds													
<u>Volatile Organic Compounds</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	8.86		µg/l	1.00	0.74	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	
79-01-6	Trichloroethene	12.1		µg/l	1.00	0.76	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	99			70-130 %		"	"	"	"	"	"	
2037-26-5	Toluene-d8	100			70-130 %		"	"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	119			70-130 %		"	"	"	"	"	"	
1868-53-7	Dibromofluoromethane	103			70-130 %		"	"	"	"	"	"	

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Sample Identification

12A-EMW-11D-PDB-1

SB50231-08

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 08:40

Received

01-Jun-12

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
Volatile Organic Compounds													
<u>Volatile Organic Compounds</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	1.03		µg/l	1.00	0.74	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	2.80		µg/l	1.00	0.68	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	35.1		µg/l	1.00	0.72	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	1.26		µg/l	1.00	0.68	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

12A-EMW-11D-PDB-1

SB50231-08

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 08:40

Received

01-Jun-12

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
Volatile Organic Compounds													
<u>Volatile Organic Compounds</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	19.3		µg/l	1.00	0.74	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	
79-01-6	Trichloroethene	43.2		µg/l	1.00	0.76	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
75-01-4	Vinyl chloride	26.1		µg/l	1.00	0.81	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	99			70-130 %		"	"	"	"	"	"	
2037-26-5	Toluene-d8	100			70-130 %		"	"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	119			70-130 %		"	"	"	"	"	"	
1868-53-7	Dibromofluoromethane	107			70-130 %		"	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

12A-EMW-11D-PDB-2

SB50231-09

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 08:40

Received

01-Jun-12

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>Cert.</u>
Volatile Organic Compounds													
<u>Volatile Organic Compounds</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.65	1	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
67-64-1	Acetone	< 10.0		µg/l	10.0	2.56	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.48	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	1.14	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.73	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.56	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.82	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	1.02		µg/l	1.00	0.74	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.55	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	1.03	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	1.47	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.79	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.93	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.29	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.67	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.45	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	2.84		µg/l	1.00	0.68	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	36.4		µg/l	1.00	0.72	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	1.34		µg/l	1.00	0.68	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.71	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.60	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.25	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.50	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.45	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.54	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

12A-EMW-11D-PDB-2

SB50231-09

Client Project

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 08:40

Received

01-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
<u>Volatile Organic Compounds</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.62	1	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.61	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.65	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.93	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.62	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	20.0		µg/l	1.00	0.74	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.81	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.64	1	"	"	"	"	"	
79-01-6	Trichloroethene	44.9		µg/l	1.00	0.76	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.63	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.76	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	
75-01-4	Vinyl chloride	28.4		µg/l	1.00	0.81	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	1.64	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.88	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.44	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.72	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.78	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.73	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.64	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.77	1	"	"	"	"	"	
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	100			70-130 %		"	"	"	"	"	"	
2037-26-5	Toluene-d8	103			70-130 %		"	"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	121			70-130 %		"	"	"	"	"	"	
1868-53-7	Dibromofluoromethane	106			70-130 %		"	"	"	"	"	"	

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Sample Identification

12A-GZA-105D-PDB-1

SB50231-10

Client Project #

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 08:15

Received

01-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds			GS1										
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0		µg/l	50.0	32.4	50	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
67-64-1	Acetone	< 500		µg/l	500	128	50	"	"	"	"	"	
107-13-1	Acrylonitrile	< 25.0		µg/l	25.0	23.0	50	"	"	"	"	"	
71-43-2	Benzene	< 50.0		µg/l	50.0	33.4	50	"	"	"	"	"	
108-86-1	Bromobenzene	< 50.0		µg/l	50.0	36.0	50	"	"	"	"	"	
74-97-5	Bromochloromethane	< 50.0		µg/l	50.0	35.5	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 25.0		µg/l	25.0	24.0	50	"	"	"	"	"	
75-25-2	Bromoform	< 50.0		µg/l	50.0	30.2	50	"	"	"	"	"	
74-83-9	Bromomethane	< 100		µg/l	100	57.0	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 500		µg/l	500	86.7	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 50.0		µg/l	50.0	28.1	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 50.0		µg/l	50.0	41.0	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 50.0		µg/l	50.0	37.2	50	"	"	"	"	"	
75-15-0	Carbon disulfide	< 100		µg/l	100	31.4	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 50.0		µg/l	50.0	27.4	50	"	"	"	"	"	
108-90-7	Chlorobenzene	< 50.0		µg/l	50.0	32.7	50	"	"	"	"	"	
75-00-3	Chloroethane	< 100		µg/l	100	51.6	50	"	"	"	"	"	
67-66-3	Chloroform	< 50.0		µg/l	50.0	34.4	50	"	"	"	"	"	
74-87-3	Chloromethane	< 100		µg/l	100	73.6	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 50.0		µg/l	50.0	39.6	50	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 50.0		µg/l	50.0	36.6	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 100		µg/l	100	46.4	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 25.0		µg/l	25.0	14.4	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 25.0		µg/l	25.0	16.4	50	"	"	"	"	"	
74-95-3	Dibromomethane	< 50.0		µg/l	50.0	33.3	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 50.0		µg/l	50.0	33.4	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 50.0		µg/l	50.0	35.6	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 50.0		µg/l	50.0	31.2	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 100		µg/l	100	22.4	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 50.0		µg/l	50.0	34.0	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 50.0		µg/l	50.0	39.0	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 50.0		µg/l	50.0	24.4	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	938		µg/l	50.0	35.8	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 50.0		µg/l	50.0	34.0	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 50.0		µg/l	50.0	35.6	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 50.0		µg/l	50.0	40.4	50	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 50.0		µg/l	50.0	30.2	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 50.0		µg/l	50.0	31.8	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 25.0		µg/l	25.0	12.6	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 25.0		µg/l	25.0	25.0	50	"	"	"	"	"	
100-41-4	Ethylbenzene	< 50.0		µg/l	50.0	36.6	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 25.0		µg/l	25.0	22.5	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 500		µg/l	500	27.2	50	"	"	"	"	"	

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Sample Identification

12A-GZA-105D-PDB-1

SB50231-10

Client Project

60267214.04.02

Matrix

Ground Water

Collection Date/Time

31-May-12 08:15

Received

01-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds			GS1										
Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 50.0		µg/l	50.0	31.0	50	SW846 8260C	14-Jun-12	14-Jun-12	GMA	1214076	
99-87-6	4-Isopropyltoluene	< 50.0		µg/l	50.0	30.4	50	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 50.0		µg/l	50.0	32.6	50	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 500		µg/l	500	46.6	50	"	"	"	"	"	
75-09-2	Methylene chloride	< 100		µg/l	100	34.5	50	"	"	"	"	"	
91-20-3	Naphthalene	< 50.0		µg/l	50.0	16.6	50	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 50.0		µg/l	50.0	37.9	50	"	"	"	"	"	
100-42-5	Styrene	< 50.0		µg/l	50.0	30.8	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 50.0		µg/l	50.0	31.3	50	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 25.0		µg/l	25.0	17.4	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	1,020		µg/l	50.0	37.2	50	"	"	"	"	"	
108-88-3	Toluene	< 50.0		µg/l	50.0	40.6	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 50.0		µg/l	50.0	18.8	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 50.0		µg/l	50.0	18.0	50	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 50.0		µg/l	50.0	39.2	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 50.0		µg/l	50.0	29.1	50	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 50.0		µg/l	50.0	32.1	50	"	"	"	"	"	
79-01-6	Trichloroethene	2,250		µg/l	50.0	37.8	50	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 50.0		µg/l	50.0	31.4	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 50.0		µg/l	50.0	36.8	50	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 50.0		µg/l	50.0	37.8	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 50.0		µg/l	50.0	37.2	50	"	"	"	"	"	
75-01-4	Vinyl chloride	168		µg/l	50.0	40.4	50	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 100		µg/l	100	82.0	50	"	"	"	"	"	
95-47-6	o-Xylene	< 50.0		µg/l	50.0	44.1	50	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 100		µg/l	100	72.1	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 50.0		µg/l	50.0	34.6	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 50.0		µg/l	50.0	36.0	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 50.0		µg/l	50.0	39.1	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 50.0		µg/l	50.0	36.4	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 500		µg/l	500	432	50	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 1000		µg/l	1000	701	50	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 250		µg/l	250	38.4	50	"	"	"	"	"	
64-17-5	Ethanol	< 20000		µg/l	20000	1780	50	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	95			70-130 %		"	"	"	"	"	"	
2037-26-5	Toluene-d8	103			70-130 %		"	"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	125			70-130 %		"	"	"	"	"	"	
1868-53-7	Dibromofluoromethane	107			70-130 %		"	"	"	"	"	"	

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214076 - SW846 5030 Water MS										
Blank (1214076-BLK1)	Prepared & Analyzed: 14-Jun-12									
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 10.0		µg/l	10.0						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214076 - SW846 5030 Water MS										
Blank (1214076-BLK1)					<u>Prepared & Analyzed: 14-Jun-12</u>					
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 400		µg/l	400						
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.0</i>		<i>µg/l</i>		<i>50.0</i>		<i>96</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>	<i>50.6</i>		<i>µg/l</i>		<i>50.0</i>		<i>101</i>	<i>70-130</i>		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>61.4</i>		<i>µg/l</i>		<i>50.0</i>		<i>123</i>	<i>70-130</i>		
<i>Surrogate: Dibromofluoromethane</i>	<i>52.4</i>		<i>µg/l</i>		<i>50.0</i>		<i>105</i>	<i>70-130</i>		
LCS (1214076-BS1)					<u>Prepared & Analyzed: 14-Jun-12</u>					
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.2		µg/l		20.0		111	70-130		
Acetone	23.7		µg/l		20.0		119	70-130		
Acrylonitrile	21.5		µg/l		20.0		107	70-130		
Benzene	21.4		µg/l		20.0		107	70-130		
Bromobenzene	21.2		µg/l		20.0		106	70-130		
Bromochloromethane	22.8		µg/l		20.0		114	70-130		
Bromodichloromethane	23.5		µg/l		20.0		118	70-130		
Bromoform	22.2		µg/l		20.0		111	70-130		
Bromomethane	22.6		µg/l		20.0		113	70-130		
2-Butanone (MEK)	19.9		µg/l		20.0		100	70-130		
n-Butylbenzene	20.9		µg/l		20.0		104	70-130		
sec-Butylbenzene	22.6		µg/l		20.0		113	70-130		
tert-Butylbenzene	26.0		µg/l		20.0		130	70-130		
Carbon disulfide	22.7		µg/l		20.0		113	70-130		
Carbon tetrachloride	24.3		µg/l		20.0		121	70-130		
Chlorobenzene	22.4		µg/l		20.0		112	70-130		
Chloroethane	21.5		µg/l		20.0		107	70-130		
Chloroform	21.6		µg/l		20.0		108	70-130		
Chloromethane	21.4		µg/l		20.0		107	70-130		
2-Chlorotoluene	23.5		µg/l		20.0		118	70-130		
4-Chlorotoluene	23.8		µg/l		20.0		119	70-130		

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214076 - SW846 5030 Water MS										
<u>LCS (1214076-BS1)</u>	<u>Prepared & Analyzed: 14-Jun-12</u>									
1,2-Dibromo-3-chloropropane	20.4		µg/l		20.0		102	70-130		
Dibromochloromethane	24.6		µg/l		20.0		123	70-130		
1,2-Dibromoethane (EDB)	23.4		µg/l		20.0		117	70-130		
Dibromomethane	23.2		µg/l		20.0		116	70-130		
1,2-Dichlorobenzene	23.1		µg/l		20.0		116	70-130		
1,3-Dichlorobenzene	22.6		µg/l		20.0		113	70-130		
1,4-Dichlorobenzene	23.2		µg/l		20.0		116	70-130		
Dichlorodifluoromethane (Freon12)	23.4		µg/l		20.0		117	70-130		
1,1-Dichloroethane	21.9		µg/l		20.0		110	70-130		
1,2-Dichloroethane	24.9		µg/l		20.0		124	70-130		
1,1-Dichloroethene	23.5		µg/l		20.0		117	70-130		
cis-1,2-Dichloroethene	21.1		µg/l		20.0		105	70-130		
trans-1,2-Dichloroethene	21.9		µg/l		20.0		109	70-130		
1,2-Dichloropropane	20.7		µg/l		20.0		104	70-130		
1,3-Dichloropropane	21.6		µg/l		20.0		108	70-130		
2,2-Dichloropropane	22.6		µg/l		20.0		113	70-130		
1,1-Dichloropropene	23.8		µg/l		20.0		119	70-130		
cis-1,3-Dichloropropene	20.6		µg/l		20.0		103	70-130		
trans-1,3-Dichloropropene	21.2		µg/l		20.0		106	70-130		
Ethylbenzene	23.7		µg/l		20.0		119	70-130		
Hexachlorobutadiene	20.2		µg/l		20.0		101	70-130		
2-Hexanone (MBK)	19.8		µg/l		20.0		99	70-130		
Isopropylbenzene	24.9		µg/l		20.0		124	70-130		
4-Isopropyltoluene	24.2		µg/l		20.0		121	70-130		
Methyl tert-butyl ether	16.6		µg/l		20.0		83	70-130		
4-Methyl-2-pentanone (MIBK)	19.4		µg/l		20.0		97	70-130		
Methylene chloride	21.2		µg/l		20.0		106	70-130		
Naphthalene	20.9		µg/l		20.0		104	70-130		
n-Propylbenzene	24.2		µg/l		20.0		121	70-130		
Styrene	22.7		µg/l		20.0		113	70-130		
1,1,1,2-Tetrachloroethane	23.4		µg/l		20.0		117	70-130		
1,1,2,2-Tetrachloroethane	19.7		µg/l		20.0		99	70-130		
Tetrachloroethene	23.0		µg/l		20.0		115	70-130		
Toluene	22.1		µg/l		20.0		110	70-130		
1,2,3-Trichlorobenzene	22.8		µg/l		20.0		114	70-130		
1,2,4-Trichlorobenzene	21.3		µg/l		20.0		106	70-130		
1,3,5-Trichlorobenzene	22.3		µg/l		20.0		112	70-130		
1,1,1-Trichloroethane	23.6		µg/l		20.0		118	70-130		
1,1,2-Trichloroethane	21.4		µg/l		20.0		107	70-130		
Trichloroethene	22.0		µg/l		20.0		110	70-130		
Trichlorofluoromethane (Freon 11)	25.5		µg/l		20.0		127	70-130		
1,2,3-Trichloropropane	21.6		µg/l		20.0		108	70-130		
1,2,4-Trimethylbenzene	24.0		µg/l		20.0		120	70-130		
1,3,5-Trimethylbenzene	25.2		µg/l		20.0		126	70-130		
Vinyl chloride	22.7		µg/l		20.0		114	70-130		
m,p-Xylene	47.8		µg/l		40.0		120	70-130		
o-Xylene	23.9		µg/l		20.0		120	70-130		
Tetrahydrofuran	20.1		µg/l		20.0		100	70-130		
Ethyl ether	21.7		µg/l		20.0		109	70-130		
Tert-amyl methyl ether	22.6		µg/l		20.0		113	70-130		
Ethyl tert-butyl ether	17.4		µg/l		20.0		87	70-130		
Di-isopropyl ether	17.6		µg/l		20.0		88	70-130		

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214076 - SW846 5030 Water MS										
<u>LCS (1214076-BS1)</u>					<u>Prepared & Analyzed: 14-Jun-12</u>					
Tert-Butanol / butyl alcohol	162		µg/l		200		81	70-130		
1,4-Dioxane	186		µg/l		200		93	70-130		
trans-1,4-Dichloro-2-butene	23.5		µg/l		20.0		117	70-130		
Ethanol	391		µg/l		400		98	70-130		
Surrogate: 4-Bromofluorobenzene	51.2		µg/l		50.0		102	70-130		
Surrogate: Toluene-d8	50.6		µg/l		50.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4	56.3		µg/l		50.0		113	70-130		
Surrogate: Dibromofluoromethane	53.1		µg/l		50.0		106	70-130		
<u>LCS Dup (1214076-BSD1)</u>					<u>Prepared & Analyzed: 14-Jun-12</u>					
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.4		µg/l		20.0		112	70-130	1	25
Acetone	26.0		µg/l		20.0		130	70-130	9	50
Acrylonitrile	23.3		µg/l		20.0		116	70-130	8	25
Benzene	21.9		µg/l		20.0		109	70-130	2	25
Bromobenzene	20.6		µg/l		20.0		103	70-130	3	25
Bromochloromethane	22.1		µg/l		20.0		110	70-130	3	25
Bromodichloromethane	23.8		µg/l		20.0		119	70-130	1	25
Bromoform	21.5		µg/l		20.0		108	70-130	3	25
Bromomethane	22.8		µg/l		20.0		114	70-130	1	50
2-Butanone (MEK)	24.4		µg/l		20.0		122	70-130	20	50
n-Butylbenzene	20.2		µg/l		20.0		101	70-130	3	25
sec-Butylbenzene	21.8		µg/l		20.0		109	70-130	4	25
tert-Butylbenzene	24.8		µg/l		20.0		124	70-130	5	25
Carbon disulfide	22.2		µg/l		20.0		111	70-130	2	25
Carbon tetrachloride	22.8		µg/l		20.0		114	70-130	6	25
Chlorobenzene	21.4		µg/l		20.0		107	70-130	5	25
Chloroethane	23.2		µg/l		20.0		116	70-130	8	50
Chloroform	22.3		µg/l		20.0		111	70-130	3	25
Chloromethane	23.0		µg/l		20.0		115	70-130	7	25
2-Chlorotoluene	22.9		µg/l		20.0		115	70-130	3	25
4-Chlorotoluene	22.7		µg/l		20.0		113	70-130	5	25
1,2-Dibromo-3-chloropropane	21.2		µg/l		20.0		106	70-130	4	25
Dibromochloromethane	25.4		µg/l		20.0		127	70-130	3	50
1,2-Dibromoethane (EDB)	23.3		µg/l		20.0		116	70-130	0.5	25
Dibromomethane	23.7		µg/l		20.0		118	70-130	2	25
1,2-Dichlorobenzene	22.2		µg/l		20.0		111	70-130	4	25
1,3-Dichlorobenzene	22.1		µg/l		20.0		111	70-130	2	25
1,4-Dichlorobenzene	21.8		µg/l		20.0		109	70-130	6	25
Dichlorodifluoromethane (Freon12)	24.0		µg/l		20.0		120	70-130	3	50
1,1-Dichloroethane	22.7		µg/l		20.0		114	70-130	4	25
1,2-Dichloroethane	26.5	QM9	µg/l		20.0		133	70-130	6	25
1,1-Dichloroethene	23.0		µg/l		20.0		115	70-130	2	25
cis-1,2-Dichloroethene	21.2		µg/l		20.0		106	70-130	0.5	25
trans-1,2-Dichloroethene	20.8		µg/l		20.0		104	70-130	5	25
1,2-Dichloropropane	22.0		µg/l		20.0		110	70-130	6	25
1,3-Dichloropropane	22.9		µg/l		20.0		115	70-130	6	25
2,2-Dichloropropane	21.2		µg/l		20.0		106	70-130	7	25
1,1-Dichloropropene	24.0		µg/l		20.0		120	70-130	0.7	25
cis-1,3-Dichloropropene	21.9		µg/l		20.0		109	70-130	6	25
trans-1,3-Dichloropropene	21.4		µg/l		20.0		107	70-130	1	25
Ethylbenzene	22.6		µg/l		20.0		113	70-130	5	25
Hexachlorobutadiene	19.4		µg/l		20.0		97	70-130	4	50

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214076 - SW846 5030 Water MS										
<u>LCS Dup (1214076-BSD1)</u>					<u>Prepared & Analyzed: 14-Jun-12</u>					
2-Hexanone (MBK)	20.9		µg/l		20.0		105	70-130	6	25
Isopropylbenzene	24.1		µg/l		20.0		121	70-130	3	25
4-Isopropyltoluene	22.9		µg/l		20.0		114	70-130	6	25
Methyl tert-butyl ether	17.9		µg/l		20.0		89	70-130	7	25
4-Methyl-2-pentanone (MIBK)	19.7		µg/l		20.0		99	70-130	2	50
Methylene chloride	22.0		µg/l		20.0		110	70-130	4	25
Naphthalene	22.3		µg/l		20.0		111	70-130	6	25
n-Propylbenzene	23.4		µg/l		20.0		117	70-130	3	25
Styrene	21.6		µg/l		20.0		108	70-130	5	25
1,1,1,2-Tetrachloroethane	22.2		µg/l		20.0		111	70-130	5	25
1,1,2,2-Tetrachloroethane	19.8		µg/l		20.0		99	70-130	0.6	25
Tetrachloroethene	21.7		µg/l		20.0		108	70-130	6	25
Toluene	21.5		µg/l		20.0		107	70-130	3	25
1,2,3-Trichlorobenzene	23.2		µg/l		20.0		116	70-130	2	25
1,2,4-Trichlorobenzene	22.3		µg/l		20.0		112	70-130	5	25
1,3,5-Trichlorobenzene	21.8		µg/l		20.0		109	70-130	2	25
1,1,1-Trichloroethane	22.8		µg/l		20.0		114	70-130	3	25
1,1,2-Trichloroethane	22.4		µg/l		20.0		112	70-130	5	25
Trichloroethene	21.4		µg/l		20.0		107	70-130	3	25
Trichlorofluoromethane (Freon 11)	25.4		µg/l		20.0		127	70-130	0.4	50
1,2,3-Trichloropropane	21.8		µg/l		20.0		109	70-130	0.9	25
1,2,4-Trimethylbenzene	22.8		µg/l		20.0		114	70-130	5	25
1,3,5-Trimethylbenzene	23.4		µg/l		20.0		117	70-130	7	25
Vinyl chloride	23.5		µg/l		20.0		118	70-130	4	25
m,p-Xylene	45.4		µg/l		40.0		113	70-130	5	25
o-Xylene	23.0		µg/l		20.0		115	70-130	4	25
Tetrahydrofuran	23.4		µg/l		20.0		117	70-130	15	25
Ethyl ether	22.9		µg/l		20.0		115	70-130	5	50
Tert-amyl methyl ether	24.3		µg/l		20.0		122	70-130	7	25
Ethyl tert-butyl ether	18.2		µg/l		20.0		91	70-130	4	25
Di-isopropyl ether	19.4		µg/l		20.0		97	70-130	10	25
Tert-Butanol / butyl alcohol	172		µg/l		200		86	70-130	6	25
1,4-Dioxane	208		µg/l		200		104	70-130	11	25
trans-1,4-Dichloro-2-butene	23.2		µg/l		20.0		116	70-130	1	25
Ethanol	414		µg/l		400		104	70-130	6	30
Surrogate: 4-Bromofluorobenzene	50.7		µg/l		50.0		101	70-130		
Surrogate: Toluene-d8	50.3		µg/l		50.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4	59.1		µg/l		50.0		118	70-130		
Surrogate: Dibromofluoromethane	52.2		µg/l		50.0		104	70-130		
<u>Matrix Spike (1214076-MS1)</u>				<u>Source: SB50231-05</u>		<u>Prepared & Analyzed: 14-Jun-12</u>				
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.4		µg/l		20.0	BRL	102	70-130		
Acetone	25.8		µg/l		20.0	BRL	129	70-130		
Acrylonitrile	21.5		µg/l		20.0	BRL	108	70-130		
Benzene	18.3		µg/l		20.0	BRL	91	70-130		
Bromobenzene	21.6		µg/l		20.0	BRL	108	70-130		
Bromochloromethane	20.1		µg/l		20.0	BRL	100	70-130		
Bromodichloromethane	22.7		µg/l		20.0	BRL	114	70-130		
Bromoform	23.4		µg/l		20.0	BRL	117	70-130		
Bromomethane	14.5		µg/l		20.0	BRL	72	70-130		
2-Butanone (MEK)	20.9		µg/l		20.0	BRL	104	70-130		
n-Butylbenzene	20.0		µg/l		20.0	BRL	100	70-130		

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214076 - SW846 5030 Water MS										
<u>Matrix Spike (1214076-MS1)</u>				<u>Source: SB50231-05</u>				<u>Prepared & Analyzed: 14-Jun-12</u>		
sec-Butylbenzene	22.9		µg/l		20.0	BRL	114	70-130		
tert-Butylbenzene	26.6	QM7	µg/l		20.0	BRL	133	70-130		
Carbon disulfide	9.23	QM7	µg/l		20.0	BRL	46	70-130		
Carbon tetrachloride	21.5		µg/l		20.0	BRL	107	70-130		
Chlorobenzene	21.0		µg/l		20.0	BRL	105	70-130		
Chloroethane	16.6		µg/l		20.0	BRL	83	70-130		
Chloroform	21.3		µg/l		20.0	BRL	106	70-130		
Chloromethane	13.2	QM7	µg/l		20.0	BRL	66	70-130		
2-Chlorotoluene	23.6		µg/l		20.0	BRL	118	70-130		
4-Chlorotoluene	23.7		µg/l		20.0	BRL	118	70-130		
1,2-Dibromo-3-chloropropane	20.0		µg/l		20.0	BRL	100	70-130		
Dibromochloromethane	24.6		µg/l		20.0	BRL	123	70-130		
1,2-Dibromoethane (EDB)	21.3		µg/l		20.0	BRL	107	70-130		
Dibromomethane	21.1		µg/l		20.0	BRL	106	70-130		
1,2-Dichlorobenzene	23.1		µg/l		20.0	BRL	115	70-130		
1,3-Dichlorobenzene	23.3		µg/l		20.0	BRL	116	70-130		
1,4-Dichlorobenzene	22.8		µg/l		20.0	BRL	114	70-130		
Dichlorodifluoromethane (Freon12)	15.5		µg/l		20.0	BRL	78	70-130		
1,1-Dichloroethane	20.3		µg/l		20.0	BRL	102	70-130		
1,2-Dichloroethane	23.0		µg/l		20.0	BRL	115	70-130		
1,1-Dichloroethene	18.0		µg/l		20.0	BRL	90	70-130		
cis-1,2-Dichloroethene	26.1		µg/l		20.0	8.12	90	70-130		
trans-1,2-Dichloroethene	16.4		µg/l		20.0	BRL	82	70-130		
1,2-Dichloropropane	18.9		µg/l		20.0	BRL	94	70-130		
1,3-Dichloropropane	20.7		µg/l		20.0	BRL	103	70-130		
2,2-Dichloropropane	19.4		µg/l		20.0	BRL	97	70-130		
1,1-Dichloropropene	19.6		µg/l		20.0	BRL	98	70-130		
cis-1,3-Dichloropropene	19.8		µg/l		20.0	BRL	99	70-130		
trans-1,3-Dichloropropene	19.3		µg/l		20.0	BRL	97	70-130		
Ethylbenzene	22.1		µg/l		20.0	BRL	111	70-130		
Hexachlorobutadiene	18.6		µg/l		20.0	BRL	93	70-130		
2-Hexanone (MBK)	20.4		µg/l		20.0	BRL	102	70-130		
Isopropylbenzene	24.5		µg/l		20.0	BRL	122	70-130		
4-Isopropyltoluene	23.2		µg/l		20.0	BRL	116	70-130		
Methyl tert-butyl ether	16.3		µg/l		20.0	BRL	82	70-130		
4-Methyl-2-pentanone (MIBK)	19.7		µg/l		20.0	BRL	98	70-130		
Methylene chloride	18.8		µg/l		20.0	BRL	94	70-130		
Naphthalene	21.2		µg/l		20.0	BRL	106	70-130		
n-Propylbenzene	24.3		µg/l		20.0	BRL	122	70-130		
Styrene	22.0		µg/l		20.0	BRL	110	70-130		
1,1,1,2-Tetrachloroethane	23.2		µg/l		20.0	BRL	116	70-130		
1,1,2,2-Tetrachloroethane	21.2		µg/l		20.0	BRL	106	70-130		
Tetrachloroethene	34.9		µg/l		20.0	17.4	87	70-130		
Toluene	19.4		µg/l		20.0	BRL	97	70-130		
1,2,3-Trichlorobenzene	21.7		µg/l		20.0	BRL	109	70-130		
1,2,4-Trichlorobenzene	21.1		µg/l		20.0	BRL	106	70-130		
1,3,5-Trichlorobenzene	21.3		µg/l		20.0	BRL	106	70-130		
1,1,1-Trichloroethane	21.7		µg/l		20.0	BRL	108	70-130		
1,1,2-Trichloroethane	21.5		µg/l		20.0	BRL	107	70-130		
Trichloroethene	28.2		µg/l		20.0	12.0	81	70-130		
Trichlorofluoromethane (Freon 11)	20.9		µg/l		20.0	BRL	105	70-130		
1,2,3-Trichloropropane	22.0		µg/l		20.0	BRL	110	70-130		

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214076 - SW846 5030 Water MS										
<u>Matrix Spike (1214076-MS1)</u>				<u>Source: SB50231-05</u>			<u>Prepared & Analyzed: 14-Jun-12</u>			
1,2,4-Trimethylbenzene	24.1		µg/l		20.0	BRL	120	70-130		
1,3,5-Trimethylbenzene	24.4		µg/l		20.0	BRL	122	70-130		
Vinyl chloride	14.0		µg/l		20.0	BRL	70	70-130		
m,p-Xylene	44.2		µg/l		40.0	BRL	111	70-130		
o-Xylene	23.1		µg/l		20.0	BRL	116	70-130		
Tetrahydrofuran	20.2		µg/l		20.0	BRL	101	70-130		
Ethyl ether	18.6		µg/l		20.0	BRL	93	70-130		
Tert-amyl methyl ether	22.2		µg/l		20.0	BRL	111	70-130		
Ethyl tert-butyl ether	16.6		µg/l		20.0	BRL	83	70-130		
Di-isopropyl ether	17.6		µg/l		20.0	BRL	88	70-130		
Tert-Butanol / butyl alcohol	185		µg/l		200	BRL	92	70-130		
1,4-Dioxane	202		µg/l		200	BRL	101	70-130		
trans-1,4-Dichloro-2-butene	23.9		µg/l		20.0	BRL	119	70-130		
Ethanol	477		µg/l		400	BRL	119	70-130		
<i>Surrogate: 4-Bromofluorobenzene</i>	51.1		µg/l		50.0		102	70-130		
<i>Surrogate: Toluene-d8</i>	50.2		µg/l		50.0		100	70-130		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	56.9		µg/l		50.0		114	70-130		
<i>Surrogate: Dibromofluoromethane</i>	53.2		µg/l		50.0		106	70-130		
<u>Matrix Spike Dup (1214076-MSD1)</u>				<u>Source: SB50231-05</u>			<u>Prepared & Analyzed: 14-Jun-12</u>			
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.4		µg/l		20.0	BRL	107	70-130	5	30
Acetone	28.6	QM7	µg/l		20.0	BRL	143	70-130	10	30
Acrylonitrile	23.6		µg/l		20.0	BRL	118	70-130	9	30
Benzene	19.4		µg/l		20.0	BRL	97	70-130	6	30
Bromobenzene	20.2		µg/l		20.0	BRL	101	70-130	7	30
Bromochloromethane	20.5		µg/l		20.0	BRL	102	70-130	2	30
Bromodichloromethane	23.4		µg/l		20.0	BRL	117	70-130	3	30
Bromoform	22.0		µg/l		20.0	BRL	110	70-130	6	30
Bromomethane	15.1		µg/l		20.0	BRL	76	70-130	4	30
2-Butanone (MEK)	27.2	QM7	µg/l		20.0	BRL	136	70-130	26	30
n-Butylbenzene	22.3		µg/l		20.0	BRL	112	70-130	11	30
sec-Butylbenzene	23.4		µg/l		20.0	BRL	117	70-130	2	30
tert-Butylbenzene	26.3	QM7	µg/l		20.0	BRL	132	70-130	1	30
Carbon disulfide	9.73	QM7	µg/l		20.0	BRL	49	70-130	5	30
Carbon tetrachloride	22.5		µg/l		20.0	BRL	113	70-130	5	30
Chlorobenzene	21.1		µg/l		20.0	BRL	105	70-130	0.2	30
Chloroethane	18.3		µg/l		20.0	BRL	92	70-130	10	30
Chloroform	22.0		µg/l		20.0	BRL	110	70-130	3	30
Chloromethane	14.6		µg/l		20.0	BRL	73	70-130	10	30
2-Chlorotoluene	23.4		µg/l		20.0	BRL	117	70-130	0.9	30
4-Chlorotoluene	23.6		µg/l		20.0	BRL	118	70-130	0.3	30
1,2-Dibromo-3-chloropropane	23.2		µg/l		20.0	BRL	116	70-130	14	30
Dibromochloromethane	25.3		µg/l		20.0	BRL	127	70-130	3	30
1,2-Dibromoethane (EDB)	21.6		µg/l		20.0	BRL	108	70-130	1	30
Dibromomethane	22.0		µg/l		20.0	BRL	110	70-130	4	30
1,2-Dichlorobenzene	23.6		µg/l		20.0	BRL	118	70-130	2	30
1,3-Dichlorobenzene	22.5		µg/l		20.0	BRL	112	70-130	3	30
1,4-Dichlorobenzene	23.4		µg/l		20.0	BRL	117	70-130	3	30
Dichlorodifluoromethane (Freon12)	17.0		µg/l		20.0	BRL	85	70-130	9	30
1,1-Dichloroethane	21.3		µg/l		20.0	BRL	107	70-130	5	30
1,2-Dichloroethane	24.2		µg/l		20.0	BRL	121	70-130	5	30
1,1-Dichloroethene	19.5		µg/l		20.0	BRL	98	70-130	8	30

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1214076 - SW846 5030 Water MS										
<u>Matrix Spike Dup (1214076-MSD1)</u>				<u>Source: SB50231-05</u>				<u>Prepared & Analyzed: 14-Jun-12</u>		
cis-1,2-Dichloroethene	26.7		µg/l		20.0	8.12	93	70-130	4	30
trans-1,2-Dichloroethene	16.5		µg/l		20.0	BRL	82	70-130	0.5	30
1,2-Dichloropropane	21.0		µg/l		20.0	BRL	105	70-130	11	30
1,3-Dichloropropane	21.5		µg/l		20.0	BRL	108	70-130	4	30
2,2-Dichloropropane	19.7		µg/l		20.0	BRL	98	70-130	1	30
1,1-Dichloropropene	20.9		µg/l		20.0	BRL	105	70-130	7	30
cis-1,3-Dichloropropene	20.3		µg/l		20.0	BRL	102	70-130	3	30
trans-1,3-Dichloropropene	20.7		µg/l		20.0	BRL	103	70-130	7	30
Ethylbenzene	22.3		µg/l		20.0	BRL	111	70-130	0.7	30
Hexachlorobutadiene	19.8		µg/l		20.0	BRL	99	70-130	6	30
2-Hexanone (MBK)	21.6		µg/l		20.0	BRL	108	70-130	5	30
Isopropylbenzene	24.6		µg/l		20.0	BRL	123	70-130	0.4	30
4-Isopropyltoluene	25.6		µg/l		20.0	BRL	128	70-130	10	30
Methyl tert-butyl ether	17.2		µg/l		20.0	BRL	86	70-130	5	30
4-Methyl-2-pentanone (MIBK)	20.6		µg/l		20.0	BRL	103	70-130	5	30
Methylene chloride	18.5		µg/l		20.0	BRL	92	70-130	1	30
Naphthalene	23.2		µg/l		20.0	BRL	116	70-130	9	30
n-Propylbenzene	24.8		µg/l		20.0	BRL	124	70-130	2	30
Styrene	22.5		µg/l		20.0	BRL	112	70-130	2	30
1,1,1,2-Tetrachloroethane	22.5		µg/l		20.0	BRL	113	70-130	3	30
1,1,2,2-Tetrachloroethane	21.3		µg/l		20.0	BRL	106	70-130	0.05	30
Tetrachloroethene	35.0		µg/l		20.0	17.4	88	70-130	0.3	30
Toluene	20.3		µg/l		20.0	BRL	101	70-130	4	30
1,2,3-Trichlorobenzene	23.0		µg/l		20.0	BRL	115	70-130	6	30
1,2,4-Trichlorobenzene	23.8		µg/l		20.0	BRL	119	70-130	12	30
1,3,5-Trichlorobenzene	23.5		µg/l		20.0	BRL	118	70-130	10	30
1,1,1-Trichloroethane	22.9		µg/l		20.0	BRL	115	70-130	6	30
1,1,2-Trichloroethane	21.8		µg/l		20.0	BRL	109	70-130	2	30
Trichloroethene	29.6		µg/l		20.0	12.0	88	70-130	8	30
Trichlorofluoromethane (Freon 11)	22.3		µg/l		20.0	BRL	111	70-130	6	30
1,2,3-Trichloropropane	22.3		µg/l		20.0	BRL	111	70-130	1	30
1,2,4-Trimethylbenzene	23.6		µg/l		20.0	BRL	118	70-130	2	30
1,3,5-Trimethylbenzene	24.6		µg/l		20.0	BRL	123	70-130	0.9	30
Vinyl chloride	15.8		µg/l		20.0	BRL	79	70-130	12	30
m,p-Xylene	44.1		µg/l		40.0	BRL	110	70-130	0.2	30
o-Xylene	23.2		µg/l		20.0	BRL	116	70-130	0.6	30
Tetrahydrofuran	21.8		µg/l		20.0	BRL	109	70-130	7	30
Ethyl ether	19.2		µg/l		20.0	BRL	96	70-130	3	30
Tert-amyl methyl ether	22.7		µg/l		20.0	BRL	114	70-130	2	30
Ethyl tert-butyl ether	17.4		µg/l		20.0	BRL	87	70-130	5	30
Di-isopropyl ether	18.1		µg/l		20.0	BRL	91	70-130	3	30
Tert-Butanol / butyl alcohol	193		µg/l		200	BRL	96	70-130	4	30
1,4-Dioxane	213		µg/l		200	BRL	106	70-130	5	30
trans-1,4-Dichloro-2-butene	23.8		µg/l		20.0	BRL	119	70-130	0.2	30
Ethanol	488		µg/l		400	BRL	122	70-130	2	30
Surrogate: 4-Bromofluorobenzene	50.7		µg/l		50.0		101	70-130		
Surrogate: Toluene-d8	51.6		µg/l		50.0		103	70-130		
Surrogate: 1,2-Dichloroethane-d4	58.2		µg/l		50.0		116	70-130		
Surrogate: Dibromofluoromethane	52.7		µg/l		50.0		105	70-130		

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Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1213690 - SW846 3005A										
<u>Blank (1213690-BLK1)</u>										
Arsenic	< 0.0040		mg/l	0.0040						
<u>LCS (1213690-BS1)</u>										
Arsenic	1.22		mg/l	0.0040	1.25		98	85-115		
<u>LCS Dup (1213690-BSD1)</u>										
Arsenic	1.21		mg/l	0.0040	1.25		97	85-115	1	20
<u>Duplicate (1213690-DUP1)</u>										
Arsenic	0.0278		mg/l	0.0040		0.0274			2	20
<u>Matrix Spike (1213690-MS1)</u>										
Arsenic	1.26		mg/l	0.0040	1.25	0.0274	98	75-125		
<u>Matrix Spike Dup (1213690-MSD1)</u>										
Arsenic	1.25		mg/l	0.0040	1.25	0.0274	98	75-125	0.5	20
<u>Post Spike (1213690-PS1)</u>										
Arsenic	1.31		mg/l	0.0040	1.25	0.0274	102	80-120		

Soluble Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1213542 - SW846 3005A										
<u>Blank (1213542-BLK1)</u>										
Arsenic	< 0.0040		mg/l	0.0040						
<u>LCS (1213542-BS1)</u>										
Arsenic	1.26		mg/l	0.0040	1.25		100	85-115		
<u>LCS Dup (1213542-BSD1)</u>										
Arsenic	1.25		mg/l	0.0040	1.25		100	85-115	0.8	20
<u>Duplicate (1213542-DUP1)</u>				<u>Source: SB50231-05</u>						
Arsenic	0.0096		mg/l	0.0040		0.0104			8	20
<u>Matrix Spike (1213542-MS1)</u>				<u>Source: SB50231-05</u>						
Arsenic	1.30		mg/l	0.0040	1.25	0.0104	103	75-125		
<u>Matrix Spike Dup (1213542-MSD1)</u>				<u>Source: SB50231-05</u>						
Arsenic	1.30		mg/l	0.0040	1.25	0.0104	103	75-125	0.4	20
<u>Post Spike (1213542-PS1)</u>				<u>Source: SB50231-05</u>						
Arsenic	1.29		mg/l	0.0040	1.25	0.0104	103	80-120		

This laboratory report is not valid without an authorized signature on the cover page.

Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 66552 - SW3510										
<u>LCS (LCS-66552)</u>					<u>Prepared: 06-Jun-12 Analyzed: 08-Jun-12</u>					
1,4-Dioxane	3.932		ug/L	0.10			78.6	10-150		
Surrogate: 1,4-Dioxane-d8	3.892		ug/L				77.8	10-150		
<u>LCS Dup (LCSD-66552)</u>					<u>Prepared: 06-Jun-12 Analyzed: 08-Jun-12</u>					
1,4-Dioxane	4.215		ug/L	0.10			84.3	10-150	6.94	40.0
Surrogate: 1,4-Dioxane-d8	5.338		ug/L				107	10-150		
<u>Blank (MB-66552)</u>					<u>Prepared: 06-Jun-12 Analyzed: 08-Jun-12</u>					
1,4-Dioxane	< 0.10	U	ug/L	0.10			-			
Surrogate: 1,4-Dioxane-d8	4.804		ug/L				96.1	10-150		
Batch 66804 - SW3510										
<u>LCS (LCS-66804)</u>					<u>Prepared & Analyzed: 18-Jun-12</u>					
1,4-Dioxane	3.359		ug/L	0.20			67.2	10-150		
Surrogate: 1,4-Dioxane-d8	2.738		ug/L				54.8	10-150		
<u>LCS Dup (LCSD-66804)</u>					<u>Prepared & Analyzed: 18-Jun-12</u>					
1,4-Dioxane	3.215		ug/L	0.20			64.3	10-150	4.36	40.0
Surrogate: 1,4-Dioxane-d8	2.606		ug/L				52.1	10-150		
<u>Blank (MB-66804)</u>					<u>Prepared & Analyzed: 18-Jun-12</u>					
1,4-Dioxane	< 0.20	U	ug/L	0.20			-			
Surrogate: 1,4-Dioxane-d8	2.985		ug/L				59.7	10-150		

Notes and Definitions

GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
U	Compound not detected below method detection limit at or above the MRL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Nicole Leja



SPECTRUM ANALYTICAL, INC.
Featuring
HAMBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- ☐ All TATs subject to laboratory approval.
- ☐ Min. 24-hour notification needed for rushes.
- ☐ Samples disposed of after 60 days unless otherwise instructed.

Report To: ACCOM

250 Apple St.

Chelmsford, MA 01824

Telephone #: 978-905-2100

Project Mgr: Ast Taddo

Invoice To: ACCOM

P.O. No.: _____

RON: _____

Project No.: 6026 7214.04.02

Site Name: LMC - 6026 7214.04.02

Location: 50 Fitcham Rd., Wilmington, MA

Sampler(s): Tom Croft, Jeff Dvorak

List preservative code below:

1 2 3 4 5 6 7 8 9 10 11 12

Analyses:

SW-846 82608 (CAM)

14-DIOXANE (CAM)

SW-846 8270C (CAM)

SW-846 6010C (CAM)

Total Arsenic

Dissolved Arsenic

Field Filtered

QA/QC Reporting Notes:

* additional charges may apply

MA DEP MCP CAM Report: Yes ☒ No ☐

CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level

☒ Standard ☐ No QC ☐ DQA*

☐ NY ASP A* ☐ NY ASP B*

☐ NJ Reduced* ☐ NJ Full*

☐ TIER II* ☐ TIER IV*

Other: _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses:	QA/QC Reporting Notes:
50231-01	12A-PS-10-1	5/31/12	1115	G	GW	3	1	2	2	SW-846 82608 (CAM)	
-02	12A-G2A-105D-1		1630	G	GW	3	1	2	2	14-DIOXANE (CAM)	
-03	12A-G2A-105D-2		1630	G	GW	3	1	2	2	SW-846 8270C (CAM)	
-04	12A-EMW-110-1		1450	G	GW	3	1	2	2	SW-846 6010C (CAM)	
-05	12A-EMW-100-1		1505	G	GW	9	3	6	6	Total Arsenic	
-06	TB-053112			-	-	2				Dissolved Arsenic	
-07	12A-EMW-100-108-1	5/31/12	9:00	G	GW	3				Field Filtered	
-08	12A-EMW-110-108-1		8:40	G	GW	3					
-09	12A-EMW-110-108-2		8:40	G	GW	3					
-10	12A-EMW-110-108-1		8:15	G	GW	3					

Relinquished by: _____

Received by: _____

Date: 6/1/12

Time: 1:35

Temp: 1.2

☐ EDD Format

☒ E-mail to lori.herberich@accom.com

Condition upon receipt:

☐ Ambient ☒ Ice ☐ Refrigerated ☐ D/VOA Frozen ☐ Soil Jar Frozen

Report Date:
21-Jun-12 13:14



- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

AECOM Environment
250 Apollo Drive
Chelmsford, MA 01824
Attn: Scott Olson

Project: 50 Fordham Rd - Wilmington, MA
Project #: 60267214

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SB51270-01	12A-EMW-10D-1	Ground Water	18-Jun-12 17:45	19-Jun-12 11:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes. Please note that this report contains 6 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

MassDEP Analytical Protocol Certification Form

Laboratory Name: Spectrum Analytical, Inc.			Project #: 60267214		
Project Location: 50 Fordham Rd - Wilmington, MA			RTN:		
This form provides certifications for the following data set:			SB51270-01		
Matrices: Ground Water					
CAM Protocol					
8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
✓ 8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A	9012 Total Cyanide/PAC CAM VI A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B
Affirmative responses to questions A through F are required for "Presumptive Certainty" status					
A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?				✓ Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?				✓ Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?				✓ Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?				✓ Yes No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?				Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to questions A through E)?				✓ Yes No
Responses to questions G, H and I below are required for "Presumptive Certainty" status					
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?				✓ Yes No
Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.					
H	Were all QC performance standards specified in the CAM protocol(s) achieved?				✓ Yes No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?				Yes ✓ No
All negative responses are addressed in a case narrative on the cover page of this report.					
<i>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.</i>  Nicole Leja Laboratory Director Date: 6/21/2012					

CASE NARRATIVE:

The samples were received 6.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

According to WSC-CAM 5/2009 Rev.1, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended recovery range, a range has been set based on historical control limits.

Some target analytes which are not listed as exceptions in the Summary of CAM Reporting Limits may exceed the recommended RL based on sample initial volume or weight provided, % moisture content, or responsiveness of a particular analyte to purge and trap instrumentation.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification

12A-EMW-10D-1

SB51270-01

Client Project #

60267214

Matrix

Ground Water

Collection Date/Time

18-Jun-12 17:45

Received

19-Jun-12

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
----------------	-------------------	---------------	-------------	--------------	-------------	------------	-----------------	--------------------	-----------------	-----------------	----------------	--------------	--------------

Subcontracted AnalysesSubcontracted AnalysesPrepared by method SW3510*Analysis performed by Spectrum Analytical, Inc.-- RI Division*

123-91-1	1,4-Dioxane	< 0.20		ug/L	0.20	0.070	1	SW846 8270D SIM	19-Jun-12	19-Jun-12	M-RI9	66843	
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Surrogate recoveries:

17647-74-4	1,4-Dioxane-d8	22.2			10-150 %			"	"	"	"	"	"
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Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 66843 - SW3510										
<u>Matrix Spike (L1356-01AMS)</u>			<u>Source: SB51270-01</u>			<u>Prepared & Analyzed: 19-Jun-12</u>				
1,4-Dioxane	1.800		ug/L	0.20			36.0	10-150		
Surrogate: 1,4-Dioxane-d8	1.244		ug/L				24.9	10-150		
<u>Matrix Spike Dup (L1356-01AMSD)</u>			<u>Source: SB51270-01</u>			<u>Prepared & Analyzed: 19-Jun-12</u>				
1,4-Dioxane	1.847		ug/L	0.20			36.9	10-150	2.57	40.0
Surrogate: 1,4-Dioxane-d8	0.9843		ug/L				19.7	10-150		
<u>LCS (LCS-66843)</u>						<u>Prepared & Analyzed: 19-Jun-12</u>				
1,4-Dioxane	3.433		ug/L	0.10			68.7	10-150		
Surrogate: 1,4-Dioxane-d8	3.179		ug/L				63.6	10-150		
<u>Blank (MB-66843)</u>						<u>Prepared & Analyzed: 19-Jun-12</u>				
1,4-Dioxane	< 0.10	U	ug/L	0.10				-		
Surrogate: 1,4-Dioxane-d8	3.222		ug/L				64.4	10-150		

This laboratory report is not valid without an authorized signature on the cover page.

Notes and Definitions

U	Compound not detected below method detection limit at or above the MRL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

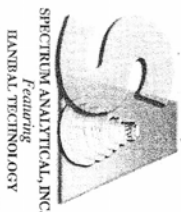
Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:



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LABORATORY TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- ☐ All TATs subject to laboratory approval.
- ☐ Min. 24-hour notification needed for rushes.
- ☐ Samples disposed of after 60 days unless otherwise instructed.

Report To: AECOM

750 Apollo Drive

Chelsea, MA 01824

Telephone #: 978-905-2100

Project Mgr: Scott Olson

Invoice To: AECOM

P.O. No.: _____

RON: _____

Project No.: 60263214

Site Name: LMC - W.1

Location: 50 Freeman Rd, Wilmington, MA State: MA

Sampler(s): Tom Cret

List preservative code below:

QA/QC Reporting Notes:
* additional changes may apply

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____
DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id: 1350-01 Sample Id: 12A-EW-100-1 Date: 6/18/12 Time: 1745

Type: G Matrix: GW
of VOA Vials: 3
of Amber Glass: _____
of Clear Glass: _____
of Plastic: _____

1,4-Dioxane by Method 8230C

MA DEP MCP CAM Report: Yes ☒ No ☐
CT DPH RCP Report: Yes ☐ No ☒
QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
Other: _____
State-specific reporting standards:
MS (MSD) SL270-01

Reinquished by: [Signature]

Received by: [Signature]

Date: 6/15/12 Time: 10:30 Temp: 16°C

☐ EDD Form
☒ E-mail to Leni, Harbick @ aecom.com
Scott.Olson @ aecom.com
Condition upon receipt: ☒ Ambient ☐ Refrigerated ☐ VOA Frozen ☐ Soil Jar Frozen

SB 51270



2340 Stock Creek Blvd.
Rockford TN 37853-3044
Phone: (865) 573-8188
Fax: (865) 573-8133
Email: info@microbe.com

Client: Lori Herberich
AECOM
250 Apollo Drive
Chelmsford, MA 01824

Phone: 978-905-2100

Fax:

Identifier: 001JF

Date Rec: 06/01/2012

Report Date: 06/04/2012

Client Project #: 60267214.04.14

Client Project Name: LMC Wilmington

Purchase Order #: 38099ACM

Analysis Requested: CENSUS

Reviewed By:

Two handwritten signatures in black ink, one appearing to be 'R. H.' and the other 'M. B.', written over a light gray background.

NOTICE: This report is intended only for the addressee shown above and may contain confidential or privileged information. If the recipient of this material is not the intended recipient or if you have received this in error, please notify Microbial Insights, Inc. immediately. The data and other information in this report represent only the sample(s) analyzed and are rendered upon condition that it is not to be reproduced without approval from Microbial Insights, Inc. Thank you for your cooperation.

MICROBIAL INSIGHTS, INC.

2340 Stock Creek Blvd. Rockford, TN 37853-3044
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: AECOM
Project: LMC Wilmington

MI Project Number: 001JF
Date Received: 06/01/2012

Sample Information

Client Sample ID:	12A-GZA-105D-1	12A-PS-1D-1	12A-EMW-10D-1	12A-EMW-11D-1
Sample Date:	05/31/2012	05/31/2012	05/31/2012	05/31/2012
Units:	cells/mL	cells/mL	cells/mL	cells/mL
Analyst:	RW	RW	RW	RW

Dechlorinating Bacteria

<i>Dehalococcoides spp.</i>	DHC	2.35E+03	5.82E+01	3.11E+01	2.40E+01
-----------------------------	-----	----------	----------	----------	----------

Legend:

NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

Memorandum

To	Art Taddeo	Page	1
Subject	Data Validation Summary Lockheed Martin-Wilmington, MA Site Spectrum Analytical SDGs SB50231 and SB51270		
From	Paula DiMattei		
Reviewed by	Lori Herberich		60267214.04.17
Date	June 21, 2012		

Data validation was performed on the data for 10 groundwater samples and one aqueous trip blank sample collected at the Lockheed Martin site in Wilmington, MA on May 31, 2012 and June 18, 2012. Spectrum Analytical Laboratory in Agawam, MA analyzed the samples and reported the data in sample delivery groups (SDGs) SB50231 and SB51270.

The data review was performed in accordance with the memorandum *Final Quality Assurance Procedures for May 2012 ROS Groundwater Sampling*, May 12, 2012, and with reference to Massachusetts Department of Environmental Protection (MADEP) document WSC-CAM-VIIA, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data in Support of Response Actions Conducted Under the Massachusetts Contingency Plan (MCP)*, Revision 1, July1, 2010, MADEP Bureau of Waste Site Cleanup; MADEP *MCP Representativeness Evaluations and Data Usability Assessments*; Policy #WSC-07-350; September 19, 2007; and the applicable MADEP Compendium of Analytical Methods performance standards.

Data for the following samples was assessed:

SDG	Sample ID	Parameter
SB50231	12A-PS-ID-1	VOCs, 1,4-Dioxane (SIM), Arsenic (total and dissolved)
	12A-GZA-105D-1	
	12A-GZA-105D-2 (Field duplicate of 12A-GZA-105D-1)	
	12A-EMW-11D-1	
	12A-EMW-10D-1	
SB51270	12A-EMW-10D-1	1,4-Dioxane (SIM)
SB50231	12A-EMW-10D-PDB-1	VOCs
	12A-EMW-11D-PDB-1	
	12A-EMW-11D-PDB-2 (Field duplicate of 12A-EMW-11D-PDB-1)	
	12-GZA-105D-PDB-1	
	TB-053112 (Trip blank)	VOCs

VOCs – Volatile Organic Compounds

SIM – Selected Ion Monitoring

DATA REVIEW ELEMENTS

The assessment was based on the following review elements:

- Chain-of-custody (COC)/sample integrity
- * Holding times and sample preservation
- * Laboratory method blanks
- * Trip Blanks
- * GC/MS tuning[#]
- Initial calibration/initial calibration and continuing calibration verifications[#]
- * Surrogate recoveries (%Rs)
- Matrix duplicate (MD)/Matrix spike (MS) and/or matrix spike duplicate (MSD) results
- * Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) results
- * Interference check standards[#]
- * Serial dilution results[#]
- * Field duplicate results
- * Internal standard performance[#]
- * General reporting issues

The laboratory is required to completely and accurately narrate all quality control exceptions. The symbol (#) indicates that nonconformances concerning this review element are only described in the SDG case narrative since complete results for these review elements are not a required report deliverable. The symbol (*) indicates that all criteria were met, no issues were narrated, and/or no qualifications were required for these review elements. The data appear valid as reported and may be used for decision making purposes.

Chain-of-Custody (COC)/Sample Integrity

The COC for SDG SB50231 requested that sample 12A-EMW-10D-1 (SB50231-05) be analyzed for 1,4-dioxane. As a result of a laboratory oversight, this analysis was not performed. When the oversight was discovered, the laboratory analyzed this sample for 1,4-dioxane. However, it was determined that the analytical holding time criterion had been grossly exceeded and this result is not being reported by the validator. Consequently, the sample was re-collected on June 18, 2012 and submitted for analysis in SDG SB51270.

Initial Calibration/Initial Calibration and Continuing Calibration Verifications

VOC

All initial calibration criteria were met. All compounds met the initial calibration verification (ICV) percent recovery (%R) of 70-130%; and all compounds met the continuing calibration verification (CCV) percent difference or percent drift (%D) criterion of <20%D with the following exceptions.

Compound	ICV %R	Actions Detects/Nondetects
Vinyl chloride	66	J/UJ
Associated samples: All samples		

Compound	CCV %D	Actions Detects/Nondetects
1,2-Dichloroethane	24.4	J/UJ
1,3,5-Trimethylbenzene	26.1	J/UJ
4-Isopropyltoluene	21.0	J/UJ
Dibromochloromethane	23.1	J/UJ
Isopropylbenzene	24.4	J/UJ
n-Propylbenzene	20.9	J/UJ
Tert-Butylbenzene	29.8	J/UJ
Carbon tetrachloride	21.4	J/UJ
Trichlorofluoromethane	27.4	J/UJ
Associated samples: All samples		

MD/MS/MSD

VOCs

All compounds met percent recovery (%R) and relative percent difference (RPD) QC acceptance limits for the MS/MSD analyses with the following exceptions.

Compound	MS/MSD %R	RPD	QC Limits		Actions* Detects/Nondetects
			%R	RPD	
Carbon disulfide	46/49	ok	70-130	20	J/UJ
Chloromethane	66/ok	ok	70-130	20	J/UJ
2-Butanone	ok/136	26	70-130	20	J/UJ
Sample ID of native sample: 12A-EMW-10D-1					
*Actions are applied to native unspiked sample only					

General Reporting Issues

The MassDEP Analytical Protocol Certification Form was reviewed and indicates that the data contained in the aforementioned SDGs have met the requirements for "Presumptive Certainty" status.

The laboratory reporting limits for the following compounds exceed the Project Action Limits, as presented in the memorandum *Final Quality Assurance Procedures for May 2012 ROS Groundwater Sampling*, May 12, 2012

1,2- Dibromoethane (EDB)

cis-1,3-Dichloropropene

trans-1,3-Dichloropropene

Tetrahydrofuran (THF)

Analytical dilutions were necessary for some samples in order to report results for selected compounds within the calibration range. Reporting limits are elevated for these samples.

Appendix C

EPL Area BWSC Notification and LNAPL Field Form

**NOTICE OF ENVIRONMENTAL SAMPLING**

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123This Notice is Related to
Release Tracking Number**3** **0518****A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):**

1. Street Address: 50 FORDHAM RD
City/Town: Wilmington Zip Code: 01887

B. This notice is being provided to the following party:

1. Name: GARY STANIEICH
2. Street Address: 424 BROADWAY
City/Town: SOMERVILLE Zip Code: 02145

C. This notice is being given to inform its recipient (the party listed in Section B):

- ☒ 1. That environmental sampling will be has been conducted at property owned by the recipient of this notice.
☐ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
☐ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 50 FORDHAM RD
City/Town: Wilmington Zip Code: 01887

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|---|
| ☐ Immediate Response Action | ☐ Phase III Feasibility Evaluation |
| ☐ Release Abatement Measure | ☐ Phase IV Remedy Implementation Plan |
| ☐ Utility-related Abatement Measure | ☒ Phase V/Remedy Operation Status |
| ☐ Phase I Initial Site Investigation | ☐ Post-Class C Operation, Maintenance and Monitoring |
| ☐ Phase II Comprehensive Site Assessment | ☐ Other _____ |
- (specify)

3. Description of property where sampling will be/has been conducted:

☐ residential ☒ commercial ☒ industrial ☐ school/playground ☐ Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.
Routine semi-annual groundwater sampling under MADEP
MCP ROS status. Wells GZA-105D, EMW-10D, EMW-11D.
Work to be conducted between MAY 11 AND 31, 2012

E. Contact information related to the party providing this notice:

Contact Name: SCOTT OLSON
Street Address: AECOM 250 APOLLO DRIVE
City/Town: Chelmsford Zip Code: 01824
Telephone: 978-905-2351 Email: scott.olson@aecom.com

Lockheed Martin Corporation - Former GE Site - 50 Fordham Road, Wilmington, MA

Eastern Parking Lot (EPL) LNAPL (Stoddard Fuel) Gauging Task



2003 Treatment Building

PZ-2S
(adjacent to RW-2)

CW-2

TRC-101

CW-1

IP-2R1/R2/R3/R4
(not part of EPL Gauging Task)

Client Name: Lockheed Martin		Site Location: Former GE Site – Wilmington, MA	Project No. 60267214
Photo No. 1	Date: May-12		
Direction Photo Taken: (Not Applicable)			
Description: PZ-2S LNAPL gauging location PZ-2S located adjacent to the 2003 Treatment Building. Roadbox and rubber gasket in decent to good condition; no bolts (unknown whether hole threads are stripped or intact); expansion plug provides seal but could be replaced.			

Photo No. 2	Date: May-12	
Direction Photo Taken: (Not Applicable)		
Description: CW-1 LNAPL gauging location CW-1. Solid 2-3 foot manhole in good condition. PVC well casing sits ~1.5 – 2 feet below the asphalt.		

Client Name: Lockheed Martin		Site Location: Former GE Site – Wilmington, MA	Project No. 60267214
Photo No. 3	Date: May-12		
Direction Photo Taken: (Not Applicable)			
Description: CW-2 LNAPL gauging location CW-2. Solid 2-3 foot manhole in good condition. PVC well casing sits ~1.5 – 2 feet below the asphalt.			

Photo No. 4	Date: May-12	
Direction Photo Taken: (Not Applicable)		
Description: TRC-101 LNAPL gauging location TRC-101. Roadbox is in need of rehabilitation, possibly replacement. No bolts (unknown whether hole threads are stripped or intact). Rubber gasket is dry and cracked. Skinny diameter expansion plug is rusted and needs to be replaced.		

Building 3 EPL LNAPL Gauging Record

 Date: 5/31/12

 Weather: Sunny 75-80 F

 Recorder(s): Scott Olson

Initial Gauging						
Well	Time	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	Depth to DNAPL (ft btoc)	Depth to Bottom (ft btoc)	Comments
PZ-2S	1505	ND	5.30	ND	8.00	PID Well H/S = 0.1 ppm
CW-1	1445	ND (Brief)	4.10	ND	8.10	PID Well H/S = 8.5 ppm
CW-2	1455	ND	3.91	ND	6.50	PID Well H/S = 109 ppm
TRC-101R	1430	ND	5.46	ND	10.20	PID Well H/S = 29 ppm
Confirmed product with bailer (Y/N)			CW-1 & CW-2 checked w/ bailer = No LNAPL present			
Product removed (Y/N)			NA			

Note: If LNAPL is detected at thickness > 0.03 feet, insert absorbant wick and wire basket into well and secure tightly.

Dispose of spent wicks in drum or 5 gallon bucket within treatment building.

Post-Product Removal Gauging

Well	Time	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	Depth to DNAPL (ft btoc)	Depth to Bottom (ft btoc)	Comments
PZ-2S						
CW-1		NA				
CW-2						
TRC-101R						
Gauging device used (Mnfr./Model No.):						

 Notes: TRC 101R - No Bolts; Needs New Rubber expansion plug; Gasket ^{needs} replaced.

CW-1 & CW-2 Have Solid Manholes in good condition

CW-1 Minor odor from probe.

CW-2 Moderate odor from probe

PZ2S Minor odor from probe.

ft btoc = feet below top of PVC casing

 Used Solinst Model 122 Interface Meter
122-005063-1

PZ-2S No bolts (gasket okay) expansion plug & road box

CW-1 & CW-2 TOC (PVC) is 1.5~2' below asphalt.