UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 1
5 Post Office Square, Suite 100
BOSTON, MA 02109-3912

CERTIFIED MAIL RETURN RECEIPT REQUESTED

APR 19 2012

Chris Brown
Construction Manager
John Moriarty & Associates
3 Church Street, Suite No.2
Winchester, MA 01890

Re: Authorization to discharge under the Remediation General Permit (RGP) – MAG910000. West Square site located at 320 D Street, South Boston, MA 02127, Suffolk County; Authorization # MAG910529

Dear Mr. Brown:

Based on the review of a Notice of Intent (NOI) submitted on behalf of Lincoln SB, LLC by the firm GeoInsight, Inc., for the site referenced above, the U.S. Environmental Protection Agency (EPA) hereby authorizes you, as the named Operator, to discharge in accordance with the provisions of the RGP at that site. Your authorization number is listed above.

The checklist enclosed with this RGP authorization indicates the pollutants which you are required to monitor. Also indicated on the checklist are the effluent limits, test methods and minimum levels (MLs) for each pollutant. Please note that the checklist does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of this permit, including influent and effluent monitoring, narrative water quality standards, record keeping, and reporting requirements, found in Parts I and II, and Appendices I – VIII of the RGP. See EPA's website for the complete RGP and other information at: http://www.epa.gov/region1/npdes/mass.html#dgp.

Please note the enclosed checklist includes parameters that exceeded Appendix III limits. The checklist also includes other parameters for which your laboratory reports indicated there was insufficient sensitivity to detect these parameters at the minimum levels established in Appendix VI of the RGP.

Also, please note that the metals included on the checklist are dilution dependent pollutants and subject to limitations based on selected dilution ranges and technology-based ceiling limitations. With the absence of dilution of freshwater into tidal water, EPA determined that the Dilution Factor Range (DFR) for each parameter for this site is in the one and five (1-5) range. (See the RGP Appendix IV for Massachusetts facilities).

Therefore, the limits for antimony of 5.6 ug/L, arsenic of 36 ug/L, cadmium of 8.9 ug/L, trivalent chromium of 100 ug/L, copper of 3.7 ug/L, lead of 8.5 ug/L, mercury of 1.1 ug/L, nickel of 8.2 ug/L, and iron of 1,000ug/L, are required to achieve permit compliance at your site.

Finally, please note the checklist of pollutants attached to this authorization is subject to a recertification if the operations at the site result in a discharge lasting longer than six months. A recertification can be submitted to EPA within six (6) to twelve (12) months of operations in accordance with the 2010 RGP regulations.

This general permit and authorization to discharge will expire on September 9, 2015. You have reported that this project will terminate on March 29, 2013. You are required to submit a Notice of Termination (NOT) to the attention of the contact person indicated below within 30 days of project completion.

Thank you in advance for your cooperation in this matter. Please contact Victor Alvarez at 617-918-1572 or Alvarez.Victor@epa.gov, if you have any questions.

Sincerely,

Thelma Murphy, Chief
Storm Water and Construction
Permits Section

Enclosure

cc: Kathleen Keohane, MassDEP
Jeff McLaughlin, MWRA
Todd Piskovitz, GeoInsight Inc.

2010 Remediation General Permit
Summary of Monitoring Parameters[1]

NPDES Authorization Number:	**MAG910529**
Authorization Issued:	April, 2012
Facility/Site Name:	West Square
Facility/Site Address:	320 D Street, South Boston, MA 02127, Suffolk County
	Email address of owner: jnoone@LPSI.com
Legal Name of Operator:	Jon Moriarty & Associates
Operator contact name, title, and Address:	Chris Brown, General Manager Address: 3 Church Street, Winchester MA 01890
	Email: brown@jm-a.com
Estimated date of Completion:	March 29, 2013
Category and Sub-Category:	Category III- Contaminated Construction Dewatering. Subcategory A& B. General Urban Fill Sites and Known Contaminated Sites respectively
RGP Termination Date:	September 10, 2015
Receiving Water:	Reserve Channel, Boston

Monitoring & Limits are applicable if checked. All samples are to be collected as grab samples

	Parameter	**Effluent Limit/Method#/ML** (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
√	1. Total Suspended Solids (TSS)	30 milligrams/liter (mg/L) **, 50 mg/L for hydrostatic testing **, Me#60.2/ML5ug/L
	2. Total Residual Chlorine (TRC) [1]	Freshwater = 11 ug/L ** Saltwater = 7.5 ug/L **/ Me#330.5/ML 20ug/L
√	3. Total Petroleum Hydrocarbons (TPH)	5.0 mg/L/ Me# 1664A/ML 5.0mg/L
	4. Cyanide (CN) [2, 3]	Freshwater = 5.2 ug/l ** Saltwater = 1.0 ug/L **/ Me#335.4/ML 10ug/L
√	5. Benzene (B)	5ug/L /50.0 ug/L for hydrostatic testing only/ Me#8260C/ML 2 ug/L
√	6. Toluene (T)	(limited as ug/L total BTEX)/ Me#8260C/ ML 2ug/L
√	7. Ethylbenzene (E)	(limited as ug/L total BTEX) Me#8260C/ ML 2ug/L
√	8. (m,p,o) Xylenes (X)	(limited as ug/L total BTEX) Me#8260C/ ML 2ug/L
√	9. Total Benzene, Toluene, Ethyl Benzene, and Xylenes	100 ug/L/ Me#8260C/ ML 2ug/L

	Parameter	**Effluent Limit/Method#/ML** (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
	(BTEX) [4]	
	10. Ethylene Dibromide (EDB) (1,2- Dibromoethane)	0.05 ug/l/ Me#8260C/ ML 10ug/L
√	√	√
	12.tert-Butyl Alcohol (TBA) (TertiaryButanol)	Monitor Only(ug/L)/Me#8260C/ML 10ug/L
	13. tert-Amyl Methyl Ether (TAME)	Monitor Only(ug/L)/Me#8260C/ML 10ug/L
	14. Naphthalene [5]	20 ug/L /Me#8260C/ML 2ug/L
	15. Carbon Tetrachloride	4.4 ug/L /Me#8260C/ ML 5ug/L
	16. 1,2 Dichlorobenzene (o-DCB)	600 ug/L /Me#8260C/ ML 5ug/L
	17. 1,3 Dichlorobenzene (m-DCB)	320 ug/L /Me#8260C/ ML 5ug/L
	18. 1,4 Dichlorobenzene (p-DCB)	5.0 ug/L /Me#8260C/ ML 5ug/L
	18a. Total dichlorobenzene	763 ug/L - NH only /Me#8260C/ ML 5ug/L
	19. 1,1 Dichloroethane (DCA)	70 ug/L /Me#8260C/ ML 5ug/L
	20. 1,2 Dichloroethane (DCA)	5.0 ug/L /Me#8260C/ ML 5ug/L
	21. 1,1 Dichloroethene (DCE)	3.2 ug/L/Me#8260C/ ML 5ug/L
√	22. cis-1,2 Dichloroethene (DCE)	70 ug/L/Me#8260C/ ML 5ug/L
√	23. Methylene Chloride	4.6 ug/L/Me#8260C/ ML 5ug/L
√	24. Tetrachloroethene (PCE)	5.0 ug/L/Me#8260C/ ML 5ug/L
	25. 1,1,1 Trichloro-ethane (TCA)	200 ug/L/Me#8260C/ ML 5ug/L
	26. 1,1,2 Trichloro-ethane (TCA)	5.0 ug/L /Me#8260C/ ML 5ug/L
	27. Trichloroethene (TCE)	5.0 ug/L /Me#8260C/ ML 5ug/L
	28. Vinyl Chloride (Chloroethene)	2.0 ug/L /Me#8260C/ ML 5ug/L
√	29. Acetone	Monitor Only(ug/L)/Me#8260C/ML 50ug/L
√	30. 1,4 Dioxane	Monitor Only /Me#1624C/ML 50ug/L
	31. Total Phenols	300 ug/L Me#420.1&420.2/ML 2 ug/L/ Me# 420.4 /ML 50ug/L
	32. Pentachlorophenol (PCP)	1.0 ug/L /Me#8270D/ML 5ug/L,Me#604 &625/ML 10ug/L
	33. Total Phthalates (Phthalate esters) [6]	3.0 ug/L ** /Me#8270D/ML 5ug/L, Me#606/ML 10ug/L& Me#625/ML 5ug/L
	34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate]	6.0 ug/L /Me#8270D/ML 5ug/L,Me#606/ML 10ug/L & Me#625/ML 5ug/L
√	35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	10.0 ug/L
√	a. Benzo(a) Anthracene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L,

	Parameter	Effluent Limit/Method#/ML (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
		Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	b. Benzo(a) Pyrene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	c. Benzo(b)Fluoranthene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	d. Benzo(k)Fluoranthene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	e. Chrysene [7]	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	f. Dibenzo(a,h)anthracene [7]	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	g. Indeno(1,2,3-cd) Pyrene [7]	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML5ug/L
√	36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	100 ug/L
√	h. Acenaphthene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	i. Acenaphthylene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	j. Anthracene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	k. Benzo(ghi) Perylene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	l. Fluoranthene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	m. Fluorene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	n. Naphthalene [5]	20 ug/l / Me#8270/ML 5ug/L, Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	o. Phenanthrene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	p. Pyrene	X/Me#8270D/ML5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	37. Total Polychlorinated Biphenyls (PCBs) [8, 9]	0.000064 ug/L/Me# 608/ ML 0.5 ug/L
√	38. Chloride	Monitor only/Me# 300.0/ ML 0.1ug/L

	Metal parameter	Total Recoverable Metal Limit @ H [10]= 50 mg/l CaCO3 for discharges in Massachusetts (ug/l) [11/12]		Minimum level=ML	
			Saltwater		
√	39. Antimony	5.6/ML 10			

	Metal parameter	Total Recoverable Metal Limit @ H [10]= 50 mg/l CaCO3 for discharges in Massachusetts (ug/l) [11/12]	Minimum level=ML
		Saltwater	
√	40. Arsenic **	36/ML 20	
√	41. Cadmium **	8.9/ML 10	
√	42. Chromium III (trivalent) **	100/ML 15	
	43. Chromium VI (hexavalent) **	50.3/ML 10	
√	44. Copper **	3.7/ML 15	
√	45. Lead **	8.5/ML 20	
√	46. Mercury **	1.1/ML 0.2	
√	47. Nickel **	8.2/ML 20	
	48. Selenium **	71/ML 20	
	49. Silver	2.2/ML 10	
	50. Zinc **	85.6/ML 15	
√	51. Iron	1,000/ML 20	

	Other Parameters	Limit
√	52. Instantaneous Flow	Site specific in CFS
√	53. Total Flow	Site specific in CFS
	54. pH Range for Class A & Class B Waters in MA	6.5-8.3; 1/Month/Grab[13]
√	55. pH Range for Class SA & Class SB Waters in MA	6.5-8.3; 1/Month/Grab[13]
	56. pH Range for Class B Waters in NH	6.5-8; 1/Month/Grab[13]
	57. Daily maximum temperature - Warm water fisheries	83°F; 1/Month/Grab[14]
	58. Daily maximum temperature - Cold water fisheries	68°F; 1/Month/Grab[14]
	59. Maximum Change in Temperature in MA - Any Class A water body	1.5°F; 1/Month/Grab[14]
	60. Maximum Change in Temperature in MA - Any Class B water body- Warm Water	5°F; 1/Month/Grab[14]
	61. Maximum Change in Temperature in MA – Any Class B water body - Cold water and Lakes/Ponds	3°F; 1/Month/Grab[14]
	62. Maximum Change in Temperature in MA – Any Class SA water body - Coastal	1.5°F; 1/Month/Grab[14]
	63. Maximum Change in Temperature in MA – Any Class SB water body - July to September	1.5°F; 1/Month/Grab[14]
	64. Maximum Change in Temperature in MA –Any Class SB water body - October to June	4°F; 1/Month/Grab[14]

Footnotes:

[1] Although the maximum values for TRC are 11ug/l and 7.5 ug/l for freshwater, and saltwater respectively, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., Method 330.5, 20 ug/l).
[2] Limits for cyanide are based on EPA's water quality criteria expressed as micrograms per liter. There is currently no EPA approved test method for free cyanide. Therefore, total cyanide must be reported.
[3] Although the maximum values for cyanide are 5.2 ug/l and 1.0 ug/l for freshwater and saltwater, respectively, the compliance limits are equal to the minimum level (ML) of the Method 335.4 as listed in Appendix VI (i.e., 10 ug/l).
[4] BTEX = sum of Benzene, Toluene, Ethylbenzene, and total Xylenes.
[5] Naphthalene can be reported as both a purgeable (VOC) and extractable (SVOC) organic compound. If both VOC and SVOC are analyzed, the highest value must be used unless the QC criteria for one of the analyses is not met. In such cases, the value from the analysis meeting the QC criteria must be used.
[6] The sum of individual phthalate compounds(not including the #34, Bis (2-Ethylhexyl) Phthalate . The compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.
Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measurement of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.
[7] Although the maximum value for the individual PAH compounds is 0.0038 ug/l, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.
[8] In the November 2002 WQC, EPA has revised the definition of Total PCBs for aquatic life as total PCBs is the sum of all homologue, all isomer, all congener, or all "Oroclor analyses."Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measure of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.
[9]Although the maximum value for total PCBs is 0.000064 ug/l, the compliance limit is equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., 0.5 ug/l for Method 608 or 0.00005 ug/l when Method 1668a is approved).
[10] Hardness. Cadmium, Chromium III, Copper, Lead, Nickel, Silver, and Zinc are Hardness Dependent.
[11] For a Dilution Factor (DF) from 1 to 5, metals limits are calculated using DF times the base limit for the metal. See Appendix IV. For example, iron limits are calculated using DF x 1,000ug/L (the iron base limit). Therefore DF is 1.5, the iron limit will be 1,500 ug/L; DF 2, then iron limit =1,000 x 2 =2,000 ug/L., etc. not to exceed the DF=5.
[12] Minimum Level (ML) is the lowest level at which the analytical system gives a recognizable signal and acceptable calibration point for the analyte. The ML represents the lowest concentration at which an analyte can be measured with a known level of confidence. The ML is calculated by multiplying the laboratory-determined method detection limit by 3.18 (see 40 CFR Part 136, Appendix B).
[13] pH sampling for compliance with permit limits may be performed using field methods as provided for in EPA test Method 150.1.
[14] Temperature sampling per Method 170.1

GeoInsight®
Environmental Strategy & Engineering
Practical in Nature

April 2, 2012

GeoInsight Project 6371-000

Via E-mail: NPDES.Generalpermits@epa.gov

Environmental Protection Agency
RGP NOI Processing
5 Post Office Square, Suite 100
Mail Code OEP06-4
Boston, MA 02109-3912

Re: Notice of Intent
NPDES Remediation General Permit
West Square - 320 D Street
South Boston, Massachusetts

Dear Sir or Madam:

GeoInsight, Inc. (GeoInsight) prepared this Notice of Intent (NOI) for coverage under the National Pollutant Discharge Elimination System (NPDES) Remediation General Permit (RGP), Massachusetts General Permit (MAG910000) at the request of Lincoln SB, LLC (Lincoln). This NOI was prepared in accordance with the general requirements of the NPDES RGP under Federal Register, Vol. 75, No. 174, dated September 9, 2010 and related guidance documentation provided by the U.S. Environmental Protection Agency (EPA). The completed NOI form is provided in Attachment A.

1.0 SITE INFORMATION

This NOI has been prepared to address the treatment and potential discharge of dewatering effluent during the excavation of soil that may be impacted with oil and hazardous materials (OHM) associated with new building construction for the property located at 320 D Street in South Boston, Massachusetts (the Site). Certain Site soil excavation activities will be conducted under a Release Abatement Measure (RAM) for release tracking number (RTN) 3-1049 and other soil excavations will performed as a normal matter of preparing for new subsurface structures (i.e., foundations and utilities). The RAM Plan will be submitted to the Massachusetts Department of Environmental Protection prior to commencing remedial work at the Site. The

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geographic location of the Site is depicted on the Site Locus presented as Figure 1 and the location of pertinent existing Site features are shown on the Site Plan presented as Figure 2.

The portion of the Site historically identified as 320 D Street (the former Bonney's Express property), was described to have formerly included partial residential use, an automobile dealership/gasoline station, several trucking companies, a scaffolding company, a shipping terminal for tractor-trailer operations, a recycling facility for Massachusetts returnable beverage containers, a truck maintenance bay, and areas of the parking lot used by a pallet repair operation and a sawdust packing and shipping operation.

Environmental assessment and remedial activities have been conducted at the Site by GeoInsight and others since the late 1980s to address releases of OHM from underground storage tanks and other unspecified and unidentified sources. Urban fill exists across the Site, ranging in thickness from approximately 5 to 15 feet. The zone of ground water fluctuation is found within the range of urban fill.

2.0 DISCHARGE AND RECEIVING WATER INFORMATION

Some excavation dewatering will likely be necessary during removal of OHM-impacted soil under the RAM Plan and also to facilitate building construction activities. This RGP is intended to provide a controlled method of discharging treated water from the Site to local storm drain infrastructure in West First Street. However, recharge of ground water on Site may also be pursued depending upon quantities and construction conditions/phasing at the time dewatering is required.

We evaluated proposed influent concentrations based upon ground water samples collected from monitoring wells located in the vicinity of the proposed RAM excavation area and elsewhere across the Site. Samples from existing monitoring wells were analyzed for the parameters required under the NPDES RGP except for those compounds believed to be absent from the Site. The laboratory data reports for these samples are provided in Attachment B.

The analytical results indicated the presence of total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAH), and several metals. Of these analytes, only TPH, lead, arsenic, and mercury, exceed effluent limits identified in Appendix III of the RGP. GeoInsight calculated the TPH values by adding MADEP EPH/VPH fractions (using unadjusted values as appropriate) from ground water analytical data collected in May and July 2011 (refer to Attachment B).

In February 2012, GeoInsight collected composite soil samples from locations across the Site for analysis of polychlorinated biphenyls (PCBs). PCBs were not detected in the samples, and therefore, ground water samples were not analyzed for PCBs.

During RAM excavation and construction-related activities, the collected water will be treated to remove suspended solids, and, if necessary, VOCs, metals, and PAHs. The proposed treatment system is shown in the process flow diagram on Figure 3. The treated water will be discharged

to a municipal storm drain located in West First Street near the northern center of the Site and ultimately discharged to the Reserve Channel, which is located southeast of the Site (Figure 1).

3.0 CONSULTATION WITH FEDERAL SERVICES

GeoInsight reviewed online electronic data viewers and databases from the Massachusetts Geographical Information System (MassGIS), the Massachusetts Division of Fisheries and Wildlife (MassWildlife; Natural Heritage and Endangered Species Program), and the U.S. National Parks Service National Historic Places (NPS). Based on this review, neither the Site nor the points where the proposed discharge reaches the receiving surface water body are Areas of Critical Environmental Concern (ACEC), Habitats of Rare Wetland Wildlife, Habitats of Rare Species or Estimated Habitats of Rare Wildlife, or listed as a National Historic Place. The Site and surroundings are heavily urban (commercial, industrial, and some residential) and have been urban since the early 1900s. A copy of the most current Suffolk county endangered species list is in Attachment C. Based on this information, consultation with federal and/or state officials was deemed not to be necessary for this permit application.

4.0 COVERAGE UNDER THE RGP

It is our opinion that the proposed discharge is eligible for coverage under the NPDES RGP based on the requirements of the NPDES RGP and our evaluation of the available site-specific information. At the request of Lincoln, GeoInsight is requesting coverage under the NPDES RGP for the discharge of recovered water during soil excavation and construction activities at the Site to the surface waters of the Reserve Channel via the municipal storm drain ssystem (see Figure 1).

The enclosed NOI form provides required information on the general site conditions, discharge, treatment system, receiving water, and consultation with federal services (Attachment A). For this project, Lincoln will be the owner and have ownership control over the construction plans and specifications, including the ability to make modifications to those plans and specifications, and is responsible for directing the implementation of day-to-day operations and activities that are necessary to ensure compliance with the NPDES RGP, including operation, inspection, monitoring, and reporting.

Discharge of treated water may commence as soon as authorization from the EPA is received, although recharge to on-site infiltration pits is also possible, as described previously. Excavation and dewatering activities within a localized area on the east side of the Site will be conducted as a RAM in accordance with the Massachusetts Contingency Plan (MCP 310 CMR 40.0000). The entire construction area where dewatering may occur lies within the "site" as defined by the MCP. Therefore, completion and submittal of the MADEP Bureau of Resource Protection Water Management (BRP WM 12) form and fee payment to the Commonwealth of Massachusetts are not required. Attachment D includes Best Management Practices intended to guide the proper use and operation of the dewatering, treatment, and discharge activities.

If you have questions or comments regarding this submittal, please call us at 603-314-0820.

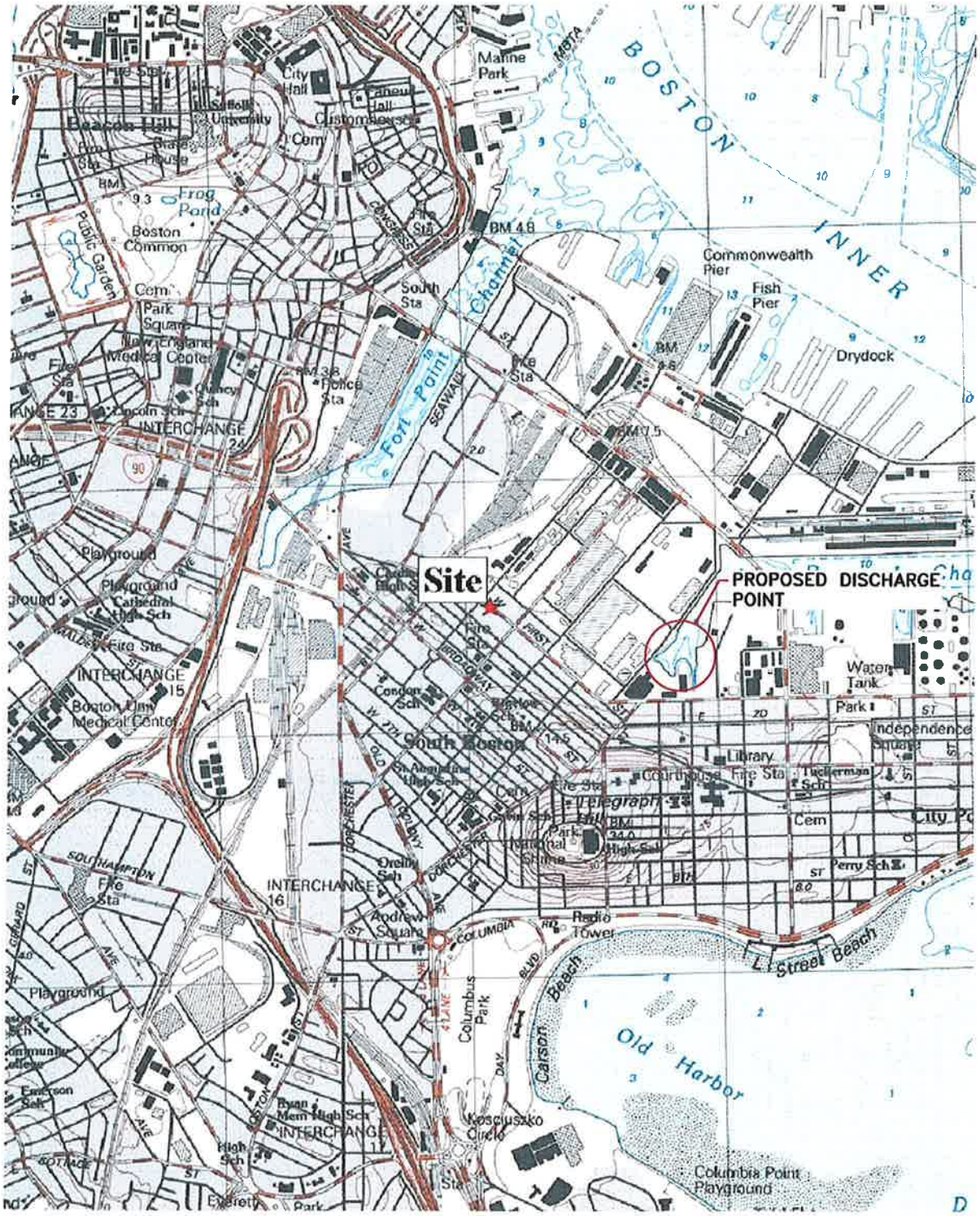
Sincerely,
GEOINSIGHT, INC.

Todd Piskovitz, P.G., L.S.P.
Senior Geologist

Michael C. Penney, P.E., L.S.P.
Regional Manager

Attachments

cc: John Noone – Lincoln SB, LLC
Division of Watershed Management, MassDEP
Francis McLaughlin, City of Boston, BWSC
Chris Brown – John Moriarty & Associates



SOURCE:

USGS BOSTON SOUTH R, MA QUADRANGLE

0 2000 4000

APPROX. SCALE IN FEET

CLIENT: LINCOLN SB, LLC			
PROJECT: 320 D STREET BLOCK SOUTH BOSTON, MASSACHUSETTS			
TITLE: SITE LOCUS			
DESIGNED: TEP	DRAWN: NMT	CHECKED: JJT	APPROVED: MCP
SCALE: 1" = 2000'	DATE: 03/28/12	FILE NO.: 6371-LOCUS	PROJECT NO.: 6371-LOCUS

GeoInsight
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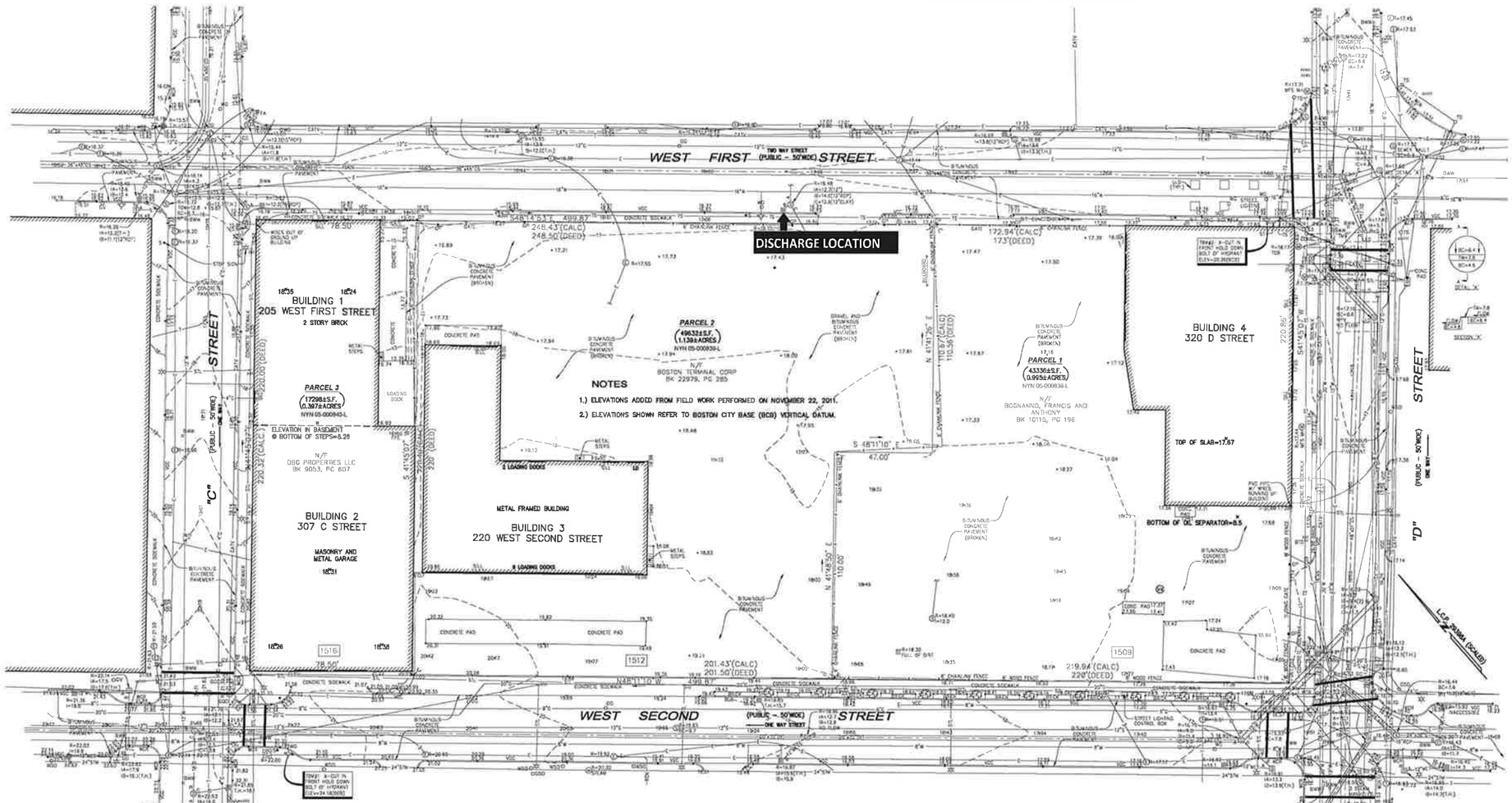
FIGURE NO.: 1

PLOT DATE: 3-29-12
FILE: I:\6371\6371-LOCUS.dwg



TITLE COMMITMENTS:

LAND AMERICA LAWYERS TITLE
(DATED JANUARY 8, 2007)

NYN 05-000838-L
NYN 05-000839-L
NYN 05-000840-L

TO:
SB HOUSING ENHANCEMENT, LLC
LAWYERS TITLE INSURANCE CORPORATION

THIS IS TO CERTIFY THAT THIS MAP AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS" JOINTLY ESTABLISHED AND ADOPTED BY ALTA, ACSM AND NSPS IN 1999, AND INCLUDES ITEMS 2, 3, 5, 7, 8, 9, 10, 11(B), 13, 15 & 16 OF TABLE A THEREOF. PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA, NSPS AND ACSM AND IN EFFECT ON THE DATE OF THIS CERTIFICATION, THE UNDERSIGNED FURTHER CERTIFIES THAT THE POSITIONAL UNCERTAINTIES RESULTING FROM SURVEY MEASUREMENTS MADE ON THE SURVEY DO NOT EXCEED THE ALLOWABLE TOLERANCES.

I ALSO CERTIFY THAT THE PARCEL SHOWN HEREON LIES WITHIN A ZONE "C" (AREAS OF MINIMAL FLOODING) AS SHOWN ON THE FLOOD INSURANCE RATE MAP FOR THE CITY OF BOSTON, MASSACHUSETTS, COMMUNITY-PANEL NO. 250286 0010 C, EFFECTIVE DATE: APRIL 1, 1982.

I FURTHER CERTIFY THAT THERE ARE NO GAPS OR GORES BETWEEN THE PARCELS THAT COMPRISE THE SITE.

NOTES

1.) THE UTILITY INFORMATION SHOWN IS COMPILED BASED ON FIELD SURVEY INFORMATION AND RECORD INFORMATION. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM RECORD PLANS AND ARE APPROXIMATE ONLY. LOCATIONS OF UNDERGROUND STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. THE PROPER UTILITY ENGINEERING DEPARTMENT/COMPANY SHOULD BE CONSULTED AND THE ACTUAL LOCATIONS OF SUBSURFACE STRUCTURES SHOULD BE DETERMINED IN THE FIELD BEFORE PLANNING FUTURE CONNECTIONS. CONTACT THE DIG SAFE CALL CENTER AT 1-888-344-7233 SEVENTY-TWO HOURS PRIOR TO EXCAVATION, BLASTING, GRADING, AND/OR PAVING.

2.) ELEVATION REFERS TO BOSTON CITY BASE (BCB) VERTICAL DATUM.

3.) THE INFORMATION CONTAINED ON THE DISK OR ELECTRONIC DRAWING FILE ACCOMPANYING THIS PLAN MUST BE COMPARED TO THE SEALED AND SIGNED HARD COPY OF THE PLAN TO ENSURE THE ACCURACY OF ALL INFORMATION AND TO ENSURE NO CHANGES, ALTERATIONS, OR MODIFICATIONS HAVE BEEN MADE. RELIANCE SHALL NOT BE MADE ON A DOCUMENT TRANSMITTED BY COMPUTER OR OTHER ELECTRONIC MEANS UNLESS FIRST COMPARED TO THE ORIGINAL SEALED DOCUMENT ISSUED AT THE TIME OF THE SURVEY. DUE TO THE CRITICAL NATURE OF SURVEYING, DATA ACQUISITION, AND AUTOCAD PLAN DEVELOPMENT, IF CRITICAL DIMENSIONAL INFORMATION IS NEEDED AND IS NOT SPECIFICALLY SHOWN ON THE ELECTRONIC DRAWING FILE, PLEASE CONTACT JNE.

4.) AS OF MARCH 6, 2006, RECORD AT&T UNDERGROUND UTILITY INFORMATION HAS NOT BEEN PROVIDED.

5.) BENCHMARKS:
BM#1: SOUTHWEST CORNER OF CONCRETE BASE OF TRAFFIC CONTROL BOX AT THE EAST CORNER OF "D" STREET AND FARGO STREET. ELEVATION = 23.46(BCB)

6.) TEMPORARY BENCHMARK:
TBM#1: X-CUT IN FRONT HOLD-DOWN BOLT AT THE SOUTHEASTERLY CORNER OF "C" STREET AND WEST SECOND STREET. ELEVATION = 24.18(BCB)

TBM#2: X-CUT IN FRONT HOLD-DOWN BOLT AT THE SOUTHWESTERLY CORNER OF "D" STREET AND WEST FIRST STREET. ELEVATION = 20.26(BCB)

PLAN REFERENCES:

BOOK 7614, PAGE 525
BOOK 9053, PAGE 607
LAND COURT PLAN 23828A
LAND COURT PLAN 29398A
LAND COURT PLAN 19207A

DEED REFERENCES:

BOOK 22979, PG 285
BOOK 24332, PG 258
BOOK 10115, PG 196

CITY ENGINEERING DEPT.

L-10128
CITY FIELD NOTES:
BOOK 1254, PG 86-89

CITY OF BOSTON ASSESSOR MAP 6047
PARCEL 1509, 1512, AND 1516

LEGEND

CATCH BASIN
CABLE TELEVISION MANHOLE
DRAIN MANHOLE
ELECTRIC MANHOLE
MISCELLANEOUS MANHOLE
SEWER MANHOLE
TELEPHONE MANHOLE
WATER MANHOLE
GSO GAS SHUT-OFF
WSO WATER SHUT-OFF
GG GAS GATE
WG WATER GATE
FIRE HYDRANT
UTILITY POLE
LIGHT POLE
FA FIRE ALARM CALL BOX
BOLLARD
SIGN POST
DECIDUOUS TREE WITH TRUNK DIAMETER
1.6 SPOT ELEVATION
CLF CHAIN LINK FENCE
VCG VERTICAL GRANITE CURB
WCR WHEELCHAIR RAMP
ULD UNDERGROUND LOOP DETECTOR
OTS TRAFFIC SIGNAL
TMA TRAFFIC MASTARM
RIM ELEVATION EQUALS
INV INVERT ELEVATION EQUALS
TOF TOP OF HOOD ELEVATION EQUALS
NPV NO PIPES VISIBLE
TOW TOP OF WATER
TOW TOP OF WALL
CVGS CONNECTION MADE BY SOUND
(R) RECORD
CATV UNDERGROUND CABLE TELEVISION LINE
D UNDERGROUND DRAIN LINE
E UNDERGROUND ELECTRIC LINE
G UNDERGROUND GAS LINE
S UNDERGROUND SEWER LINE
T UNDERGROUND TELEPHONE LINE
W UNDERGROUND WATER LINE
TS UNDERGROUND TRAFFIC SIGNAL LINE
SL UNDERGROUND STREET LIGHTING LINE
STM UNDERGROUND STEAM LINE

GRAPHIC SCALE
20 10 0 20 40 80
SCALE: 1"=20'

Nitsch Engineering
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165 Lincoln Street, Suite 200
Boston, MA 02111-2403
T: (617) 338-0063
F: (617) 338-6472

- Civil Engineering
- Land Surveying
- Transportation Engineering
- Planning
- GIS Services

ALTA/ACSM LAND TITLE SURVEY
SB HOUSING ENHANCEMENT, LLC
SOUTH BOSTON, MASSACHUSETTS

PREPARED FOR:
LINCOLN SB, LLC
c/o LINCOLN PROPERTY COMPANY, 483 BOSTON POST RD., SUITE 5
WESTON, MA 02493 (781) 389-2223

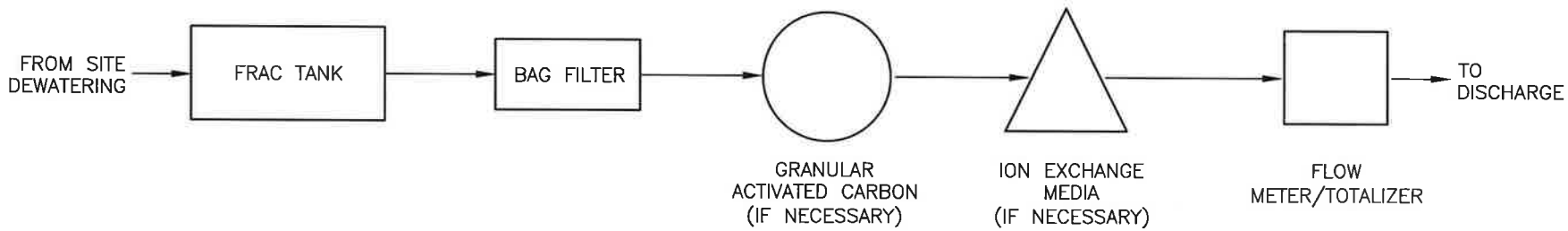
REV.	COMMENTS	DATE
2	PLAN EDIT	1/8/08
1	FIELD EDIT	1/11/07

REVISIONS

PROJECT # 5344.1
FILE 5344sur-5341_TOPO1.dwg
SCALE 1"=20'
DATE 03/01/06
DES./COMP. PSL
FIELD BOOK 355
DRAFTED BY JAW
CHECKED BY PSL

SHEET
S-1
OF REV.

REMEDIATION GENERAL PERMIT - FIGURE 2



PROCESS FLOW DIAGRAM

CLIENT: LINCOLN SB, LLC			
PROJECT: 320 D STREET BLOCK SOUTH BOSTON, MASSACHUSETTS			
TITLE: PROCESS FLOW DIAGRAM			
DESIGNED: MCP	DRAWN: NMT	CHECKED: JJT	APPROVED: MCP
SCALE: NTS	DATE: 03/28/12	FILE NO.: 6371D016	PROJECT NO.: 6371–000

GeoInsight
Practical in Nature

FIGURE NO.: 3

FILE: I:\6371\6371d016.dwg

ATTACHMENT A

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General facility/site information. Please provide the following information about the site:

a) Name of **facility/site**: West Square		**Facility/site** mailing address:			
Location of **facility/site**: longitude: 71.025745 latitude: 42.202645	Facility SIC code(s): 1250	Street: 320 D Street			
b) Name of **facility/site owner:**		Town: South Boston			
Email address of facility/site owner: jnoone@LPSI.com		State: MA	Zip: 02127	County: Suffolk	
Telephone no. of facility/site **owner**: 781-398-2223					
Fax no. of facility/site **owner**: none		**Owner** is (check one): 1. Federal ○ 2. State/Tribal ○ 3. Private ⊙ 4. Other ○ if so, describe: Lincoln SB, LLC			
Address of **owner** (if different from site):					
Street: 483 Boston Post Road, Suite 5					
Town: Weston	State: MA	Zip: 02493	County: Middlesex		
c) Legal name of **operator**: John Moriarty & Associates	**Operator** telephone no: 781.729.3900				
	Operator fax no.: 781.729.8456	**Operator** email: brown@jm-a.com			
Operator contact name and title: Chris Brown					
Address of **operator** (if different from owner):	Street: 3 Church Street				
Town: Winchester	State: MA	Zip: Massachusetts	County: Middlesex		

d) Check Y for "yes" or N for "no" for the following:
1. Has a prior NPDES permit exclusion been granted for the discharge? Y ○ N ⊙, if Y, number:
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge?
Y ○ N ⊙, if Y, date and tracking #:
3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Y ⊙ N ○
4. For sites in Massachusetts, is the discharge covered under the Massachusetts Contingency Plan (MCP) and exempt from state permitting? Y ⊙ N ○

e) Is site/facility subject to any State permitting, license, or other action which is causing the generation of discharge? Y ⊙ N ○
If Y, please list:
1. site identification # assigned by the state of NH or MA: MADEP RTN 3-1049
2. permit or license # assigned:
3. state agency contact information: name, location, and telephone number:

Ida Babroudi
MADEP, NERO
Wilmington, MA 078-694-3386

f) Is the site/facility covered by any other EPA permit, including:
1. Multi-Sector General Permit? Y ○ N ⊙,
if Y, number:
2. Final Dewatering General Permit? Y ○ N ⊙,
if Y, number:
3. EPA Construction General Permit? Y ○ N ⊙,
if Y, number:
4. Individual NPDES permit? Y ○ N ⊙,
if Y, number:
5. any other water quality related individual or general permit? Y ○
N ⊙, if Y, number:

g) Is the site/facility located within or does it discharge to an Area of Critical Environmental Concern (ACEC)? Y ○ N ⊙

h) Based on the facility/site information and any historical sampling data, identify the sub-category into which the potential discharge falls.

Activity Category	**Activity Sub-Category**
I - Petroleum Related Site Remediation	A. Gasoline Only Sites ☐ B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) ☐ C. Petroleum Sites with Additional Contamination ☐
II - Non Petroleum Site Remediation	A. Volatile Organic Compound (VOC) Only Sites ☐ B. VOC Sites with Additional Contamination ☐ C. Primarily Heavy Metal Sites ☐
III - Contaminated Construction Dewatering	A. General Urban Fill Sites ☒ B. Known Contaminated Sites ☒

IV - Miscellaneous Related Discharges	A. Aquifer Pump Testing to Evaluate Formerly Contaminated Sites ☐ B. Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites ☐ C. Hydrostatic Testing of Pipelines and Tanks ☐ D. Long-Term Remediation of Contaminated Sumps and Dikes ☐ E. Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit) ☐

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as necessary) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:

Discharge of water recovered during soil excavation and construction-related dewatering activities.

b) Provide the following information about each discharge:

1) Number of discharge points: 1

2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft^3/s)?
Max. flow 0.167 ft3/sec Is maximum flow a **design value**? Y ○ N ⊙
Average flow (include units) 0.078 ft3/sec Is average flow a design value or estimate? Estimate

3) Latitude and longitude of each discharge within 100 feet:

pt.1: lat	42.202233	long	71.023047	pt.2: lat.		long.	;
pt.3: lat		long		pt.4: lat.		long.	;
pt.5: lat		long		pt.6: lat.		long.	;
pt.7: lat		long		pt.8: lat.		long.	; etc.

4) If hydrostatic testing, total volume of the discharge (gals): NA

5) Is the discharge intermittent ⊙ or seasonal ○ ?
Is discharge ongoing? Y ○ N ⊙

c) Expected dates of discharge (mm/dd/yy): start Mar 30, 2012 end Mar 29, 2013

d) Please attach a line drawing or flow schematic showing water flow through the facility including:
1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s): See the attached figure

3. Contaminant information.

a) Based on the sub-category selected (see Appendix III), indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids (TSS)		☐	☒	0							
2. Total Residual Chlorine (TRC)		☒	☐	0							
3. Total Petroleum Hydrocarbons (TPH)		☐	☒	6	grab	DEP EPH/VPH	5 ug/L	8,030	3.2876	367	0.0701
4. Cyanide (CN)	57125	☒	☐	0							
5. Benzene (B)	71432	☐	☒	15	grab	MADEP VPH	2 ug/L	459	0.0004	<10	0.0002
6. Toluene (T)	108883	☐	☒	15	grab	MADEP VPH	2 ug/L	125	0.0008	<5	0.0004
7. Ethylbenzene (E)	100414	☐	☒	15	grab	MADEP VPH	2 ug/L	19	0.0008	<1	0.0004
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207	☐	☒	15	grab	MADEP VPH	10 ug/L	194	0.0016	<4	0.0008
9. Total BTEX [2]	n/a	☐	☒	15	grab	MADEP VPH	5 ug/L	797	0.0017	<10	0.0037
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) [3]	106934	☒	☐	6	grab	8260B	10 ug/L	<2	0.0008	<2	0.0004
11. Methyl-tert-Butyl Ether (MtBE)	1634044	☒	☐	7	grab	8260B	10 ug/L	<2	0.0008	<2	0.0004
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650	☒	☐	6	grab	8260B	10 ug/L	<30	0.0123	<30	0.0057

* Numbering system is provided to allow cross-referencing to Effluent Limits and Monitoring Requirements by Sub-Category included in Appendix III, as well as the Test Methods and Minimum Levels associated with each parameter provided in Appendix VI.

[2] BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

[3] EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
13. tert-Amyl Methyl Ether (TAME)	9940508	☒	☐	6	grab	8260B	2 ug/L	<2	0.0008	<2	0.0004
14. Naphthalene	91203	☒	☐	6	grab	8260B	2.5 ug/L	5.5	0.0008	<2.5	0.0004
15. Carbon Tetrachloride	56235	☒	☐	6	grab	8260B	0.5 ug/L	<0.5	0.0008	<0.5	0.0004
16. 1,2 Dichlorobenzene (o-DCB)	95501	☒	☐	6	grab	8260B	2.5 ug/L	<2.5	0.0008	<2.5	0.0004
17. 1,3 Dichlorobenzene (m-DCB)	541731	☒	☐	6	grab	8260B	2.5 ug/L	<2.5	0.0008	<2.5	0.0004
18. 1,4 Dichlorobenzene (p-DCB)	106467	☒	☐	6	grab	8260B	2.5 ug/L	<2.5	0.0008	<2.5	0.0004
18a. Total dichlorobenzene		☒	☐	6	grab	8260B	2.5 ug/L	<2.5	0.0008	<2.5	0.0004
19. 1,1 Dichloroethane (DCA)	75343	☒	☐	15	grab	8260B	5 ug/L	<2	0.0008	<2	0.0004
20. 1,2 Dichloroethane (DCA)	107062	☒	☐	15	grab	8260B	5 ug/L	<2	0.0008	<2	0.0004
21. 1,1 Dichloroethene (DCE)	75354	☒	☐	15	grab	8260B	5 ug/L	<1	0.0008	<1	0.0004
22. cis-1,2 Dichloroethene (DCE)	156592	☐	☒	15	grab	8260B	5 ug/L	0.68	0.0008	<1	0.0004
23. Methylene Chloride	75092	☒	☐	15	grab	8260B	5 ug/L	<2.5	0.0008	<1	0.0004
24. Tetrachloroethene (PCE)	127184	☐	☒	15	grab	8260B	5 ug/L	7	0.0008	<1	0.0004
25. 1,1,1 Trichloro-ethane (TCA)	71556	☒	☐	15	grab	8260B	5 ug/L	<2	0.0008	<2	0.0004
26. 1,1,2 Trichloro-ethane (TCA)	79005	☒	☐	15	grab	8260B	5 ug/L	<2	0.0008	<2	0.0004
27. Trichloroethene (TCE)	79016	☒	☐	15	grab	8260B	5 ug/L	<2	0.0008	<2	0.0004

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
28. Vinyl Chloride (Chloroethene)	75014	☒	☐	15	grab	8260B	5 ug/L	<2	0.0008	<2	0.0004
29. Acetone	67641	☐	☒	15	grab	8260B	50 ug/L	12	0.0049	<2	0.0023
30. 1,4 Dioxane	123911	☒	☐	6	grab	8260B	50 ug/L	<50	0.0205	<50	0.0096
31. Total Phenols	108952	☒	☐								
32. Pentachlorophenol (PCP)	87865	☒	☐								
33. Total Phthalates (Phthalate esters) [4]		☐	☐								
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	117817	☒	☐	6	grab	MADEP EPH	0.4 ug/L	<0.4	0.0002	<0.4	0.0002
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		☐	☒	6	grab	MADEP EPH	5 ug/L	141.9	0.0581	4.05	0.0008
a. Benzo(a) Anthracene	56553	☐	☒	6	grab	MADEP EPH	5 ug/L	35	0.0143	6.192	0.0012
b. Benzo(a) Pyrene	50328	☐	☒	6	grab	MADEP EPH	5 ug/L	10	0.0041	4.6	0.009
c. Benzo(b)Fluoranthene	205992	☐	☒	6	grab	MADEP EPH	5 ug/L	23	0.0094	4.117	0.0008
d. Benzo(k)Fluoranthene	207089	☐	☒	6	grab	MADEP EPH	5 ug/L	24	0.0098	4.267	0.0008
e. Chrysene	21801	☐	☒	6	grab	MADEP EPH	5 ug/L	35	0.0143	6.275	0.0012
f. Dibenzo(a,h)anthracene	53703	☐	☒	6	grab	MADEP EPH	5 ug/L	4.9	0.0020	1.025	0.0002
g. Indeno(1,2,3-cd) Pyrene	193395	☐	☒	6	grab	MADEP EPH	5 ug/L	10	0.0041	1.875	0.0004
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		☐	☒	6	grab	MADEP EPH	5 ug/L	222.1	0.0909	4.5111	0.0009

[4] The sum of individual phthalate compounds.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
h. Acenaphthene	83329	☐	☒	6	grab	MADEP EPH	5 ug/L	3.5	0.0014	0.9167	0.0002
i. Acenaphthylene	208968	☐	☒	6	grab	MADEP EPH	5 ug/L	1.3	0.0005	0.425	0.0001
j. Anthracene	120127	☐	☒	6	grab	MADEP EPH	5 ug/L	12	0.0049	2.2083	0.0004
k. Benzo(ghi) Perylene	191242	☐	☒	6	grab	MADEP EPH	5 ug/L	9.1	0.0037	1.725	0.0003
l. Fluoranthene	206440	☐	☒	6	grab	MADEP EPH	5 ug/L	67	0.0274	11.775	0.0022
m. Fluorene	86737	☐	☒	6	grab	MADEP EPH	5 ug/L	4.6	0.0019	1.125	0.0002
n. Naphthalene	91203	☐	☒	6	grab	MADEP EPH	5 ug/L	3.6	0.0015	0.8083	0.0002
o. Phenanthrene	85018	☐	☒	6	grab	MADEP EPH	5 ug/L	60	0.0246	10.6417	0.0020
p. Pyrene	129000	☐	☒	6	grab	MADEP EPH	5 ug/L	61	0.0250	11.5083	0.0022
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.	☒	☐								
38. Chloride	16887006	☒	☐								
39. Antimony	7440360	☒	☐	2	grab	6010B	100 ug/L	<100	0.041	<100	0.041
40. Arsenic	7440382	☐	☒	4	grab	6010B	20 ug/L	186	0.076	186	0.035
41. Cadmium	7440439	☐	☒	4	grab	6010B	10 ug/L	7	0.0028	7	0.0015
42. Chromium III (trivalent)	16065831	☐	☐								
43. Chromium VI (hexavalent)	18540299	☐	☐								
44. Copper	7440508	☐	☐								
45. Lead	7439921	☐	☒	17	grab	6010B	20 ug/L	1,080	0.442	1,080	0.206
46. Mercury	7439976	☐	☒	17	grab	7470A	0.2 ug/L	8.8	0.0036	8.8	0.0017
47. Nickel	7440020	☒	☐	8	grab	6010B	50 ug/L	<50	0.0205	<50	0.0205
48. Selenium	7782492	☒	☐	4	grab	6010B	50 ug/L	<50	0.0041	<10	0.0020
49. Silver	7440224	☒	☐	4	grab	6010B	10 ug/L	<7	0.0029	<7	0.0013
50. Zinc	7440666	☒	☐	2	grab	6010B	50 ug/L	<50	0.0205	<50	0.0205
51. Iron	7439896	☐	☐								
Other (describe) Barium	7440393	☐	☒	4	grab	6010B	NA	1,500	0.614	<1,000	0.0955

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
Chromium (total)	7440473	☐	☒	4	grab	6010B	15	180	0.081	180	0.034
Isopropylbenzene	98-82-8	☐	☒	6	grab	8260B	NA	2	0.0008	2	0.0004

b) For discharges where **metals** are believed present, please fill out the following (attach results of any calculations):

Step 1: Do any of the metals in the influent exceed the effluent limits in Appendix III (i.e., the limits set at zero dilution)? Y ⊙ N ○	If yes, which metals? lead, arsenic, and mercury
Step 2: For any metals which exceed the **Appendix III** limits, calculate the **dilution factor (DF)** using the formula in Part I.A.3.c (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metal: ____ DF: ____ Metal: ____ DF: ____ Metal: ____ DF: ____ Metal: ____ DF: ____ Etc. Not applicable because discharge is to salt water	Look up the limit calculated at the corresponding dilution factor in **Appendix IV.** Do any of the metals in the **influent** have the potential to exceed the corresponding **effluent** limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y ○ N ⊙ If Y, list which metals: Not applicable because discharge is to salt water

4. Treatment system information. Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:

See attached schematic: Excavations will be dewatered using localized sump pumps with filters and pumped into a baffled fractionation tank. Water will bdrae pumped from the frac tank to pass through 0.5 micron bag filters (a series of two parallel pairs each with by-pass valves to facilitate change outs). Water flow from the bag filters will, depending upon frac tank water testing results, pass through a 2,000 pound liquid phase carbon vessel to remove dissolved VOCs and SVOCs (included with the system as a contingency). Water flow from the carbon filtration system will pass through a 500 pound ion exchange system to remove dissolved metals (included with the system as a contingency).

b) Identify each applicable treatment unit (check all that apply):	Frac. tank ☒	Air stripper ☐	Oil/water separator ☐	Equalization tanks ☐	Bag filter ☒	GAC filter ☒
	Chlorination ☐	De-chlorination ☐	Other (please describe):	ion exchange media		

c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate**(s) (gallons per minute) of the treatment system:
Average flow rate of discharge 35 gpm Maximum flow rate of treatment system 75 gpm
Design flow rate of treatment system 75 gpm

d) A description of chemical additives being used or planned to be used (attach MSDS sheets):

None planned.

5. Receiving surface water(s). Please provide information about the receiving water(s), using separate sheets as necessary:

a) Identify the discharge pathway:	Direct to receiving water ☐	Within facility (sewer) ☐	Storm drain ☒	Wetlands ☐	Other (describe):

b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:

Discharge will be through a storm water drain on D Street to an outfall in the Reserve Channel.

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water:
1. For multiple discharges, number the discharges sequentially.
2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water
The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.

d) Provide the state water quality classification of the receiving water SB

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water not applicable cfs
Please attach any calculation sheets used to support stream flow and dilution calculations.

f) Is the receiving water a listed 303(d) water quality impaired or limited water? Y ⊙ N ○ If yes, for which pollutant(s)?
pathogens, toxic organics
Is there a final TMDL? Y ○ N ⊙ If yes, for which pollutant(s)?

6. ESA and NHPA Eligibility.

Please provide the following information according to requirements of Permit Parts I.A.4 and I.A.5 Appendices II and VII.

a) Using the instructions in Appendix VII and information on Appendix II, under which criterion listed in Part I.C are you eligible for coverage under this general permit?

A ⦿ B ○ C ○ D ○ E ○ F ○

b) If you selected Criterion D or F, has consultation with the federal services been completed? Y ○ N ○ Underway ○

c) If consultation with U.S. Fish and Wildlife Service and/or NOAA Fisheries Service was completed, was a written concurrence finding that the discharge is "not likely to adversely affect" listed species or critical habitat received? Y ○ N ○

d) Attach documentation of ESA eligibility as described in the NOI instructions and required by Appendix VII, Part I.C, Step 4.

e) Using the instructions in Appendix VII, under which criterion listed in Part II.C are you eligible for coverage under this general permit?

1 ○ 2 ⦿ 3 ○

f) If Criterion 3 was selected, attach all written correspondence with the State or Tribal historic preservation officers, including any terms and conditions that outline measures the applicant must follow to mitigate or prevent adverse effects due to activities regulated by the RGP.

7. Supplemental information.

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

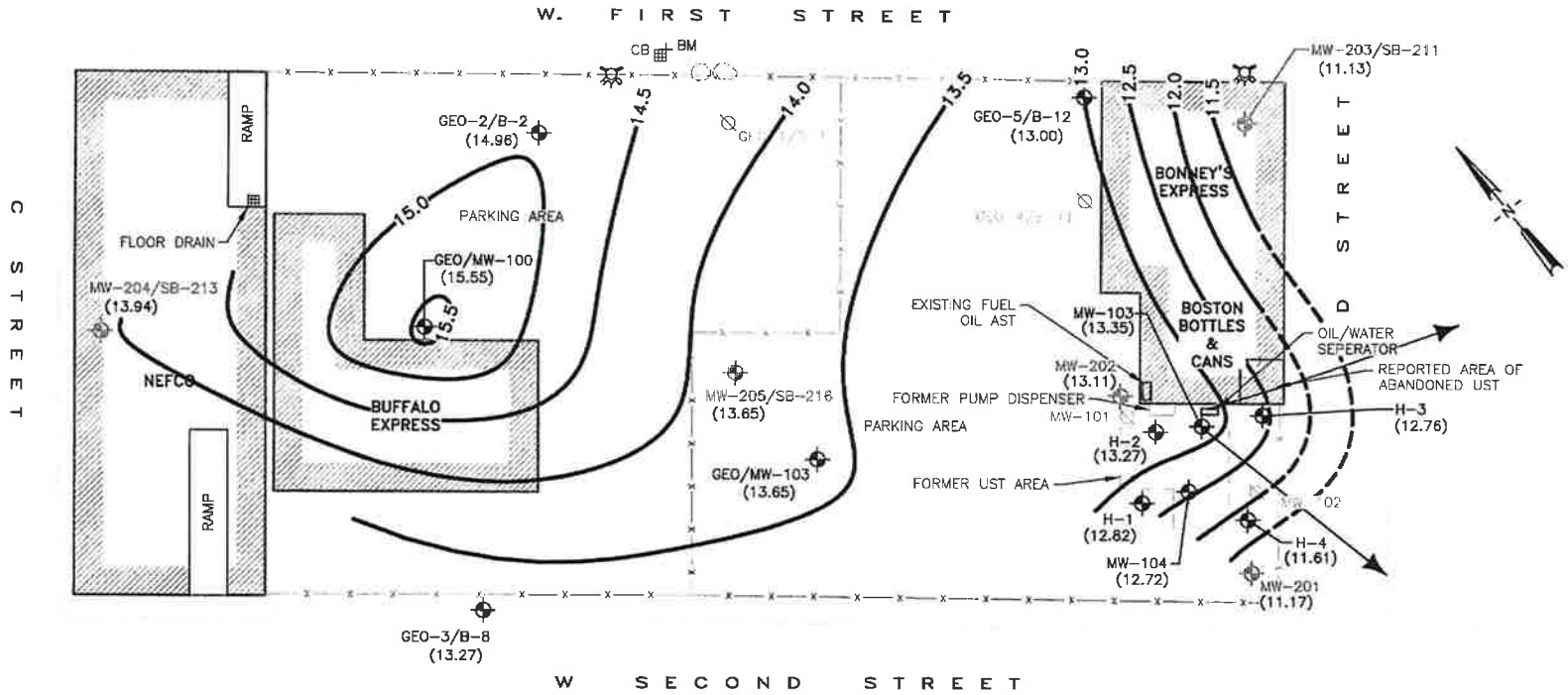
See the attached report narrative.

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

I certify under penalty of law that this document and all attachments were prepared ~~*under my direction or supervision*~~ with my input by the geotech engineer for the project *in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Facility/Site Name:	West Square - 320 D Street, South Boston
Operator signature:	
Printed Name &Title:	Chris Brown, Construction Manager, John Moriarty & Associates
Date:	April 2, 2012

ATTACHMENT B



LEGEND

GEO-1	PREVIOUS MONITORING WELL LOCATION AND DESIGNATION
MW-201	2011 MONITORING WELL LOCATION AND DESIGNATION
GEO-1	DESTROYED MONITORING WELL
	FIRE HYDRANT
BM	BENCHMARK
CB	CATCH BASIN
—x—x—	APPROXIMATE LOCATION OF CHAIN LINK FENCE
	VEGETATION
13.5	RELATIVE GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
	INFERRED DIRECTION OF GROUND WATER FLOW
(13.65)	RELATIVE GROUND WATER ELEVATION

NOTES:

1. SITE PLAN BASED UPON BOSTON WATER AND SEWER COMMISSION'S, COMBINED SEWER SITE PLAN.
2. MONITORING WELLS, H-1 THROUGH H-4, INSTALLED IN 1987 BY HIDELL-EYSTER TECHNICAL SERVICES, INC.
3. NORTHEAST CORNER OF CATCH BASIN ON W. FIRST STREET USED AS BENCHMARK SET AT +16.15 FEET BY BOSTON CITY BASE VERTICAL DATUM.

0 50 100
APPROX. SCALE IN FEET

CLIENT: LINCOLN PROPERTY COMPANY			
PROJECT: 320 D STREET BLOCK SOUTH BOSTON, MASSACHUSETTS			
TITLE: GROUND WATER CONTOUR PLAN APRIL 20, 2011			
DESIGNED: TEP	DRAWN: STM	CHECKED: TEP	APPROVED: MCP
SCALE: 1" = 50'	DATE: 06/01/11	FILE NO.: 6371D010	PROJECT NO.: 6371-000

GeoInsight
Practical in Nature

FIGURE NO.: ATTACH. B

PLOT DATE: 7-20-11
FILE: I:\6371\6371D010.dwg

TABLES

TABLE 3
SUMMARY OF GROUND WATER ANALYTICAL DATA - EPH
LINCOLN SB, LLC
320 D STREET
SOUTH BOSTON, MASSACHUSETTS
MADEP RTN 3-1049

Well ID	Sampling Date	C_9-C_{18} Aliphatic Hydrocarbons (µg/L)	C_{19}-C_{36} Aliphatic Hydrocarbons (µg/L)	C_{11}-C_{22} Aromatic Hydrocarbons (µg/L)	Naphthalene (µg/L)	2-Methylnapthalene (µg/L)	Acenapthylene (µg/L)	Acenapthene (µg/L)	Fluorene (µg/L)	Phenathrene (µg/L)	Anthracene (µg/L)	Fluoranthene (µg/L)	Pyrene (µg/L)	Benzo(a) anthracene (µg/L)	Chrysene (µg/L)	Benzo(b) fluoranthene (µg/L)	Benzo(k) fluoranthene (µg/L)	Benzo(a) pyrene (µg/L)	Indeno(1,2,3-cd) pyrene (µg/L)	Dibenzo(a,h) anthracene (µg/L)	Benzo(g,h,i) perylene (µg/L)
MCP Method 1 Standards	**GW-2**	**5,000**	**NS**	**50,000**	**1,000**	**2,000**	**10,000**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
	GW-3	**50,000**	**50,000**	**5,000**	**20,000**	**20,000**	**40**	**6,000**	**40**	**10,000**	**30**	**200**	**20**	**1,000**	**70**	**400**	**100**	**500**	**100**	**40**	**20**
H-1	10/19/2006	ND(102)	ND(102)	ND(102)	ND(0.408)	ND(0.408)	ND(0.408)	ND(0.408)	ND(0.408)	ND(0.408)	ND(0.408)	ND(0.408)	ND(0.408)	ND(0.408)	ND(0.408)	ND(0.408)	ND(0.408)	ND(0.2)	ND(0.408)	ND(0.408)	ND(0.408)
	5/20/2011	ND(100)	ND(100)	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)
H-2	2/22/1999	ND(500)	ND(500)	ND(500)	6.3	36	1.5	7.3	26	30	ND(0.1)	6.4	7.4	1.7	1.9	1.8	0.6	1.2	0.8	0.2	0.7
H-3	2/22/1999	ND(500)	ND(500)	ND(500)	0.3	1.3	ND(0.1)	0.1	0.2	0.2	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
	7/12/2011	ND(100)	ND(100)	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)
H-4	7/12/2011	ND(100)	ND(100)	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)
GEO-1	10/7/2002	46	110	320	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GEO-2	10/19/2006	ND(103)	ND(103)	143	0.958	ND(0.412)	0.44	3.21	3.12	9.32	3.61	11.8	8.9	6.73	5.97	5.75	4.35	7.52	2.7	0.754	2.49
	5/20/2011	ND(100)	ND(100)	140	0.6	ND(0.5)	ND(0.5)	1.4	1.7	9.7	3	17	18	10	9.4	6.5	6	8.4	4.2	2.1	4.4
	7/12/2011	ND(100)	ND(100)	570	2.9	6.1	0.8	2.5	4.1	16	4.6	27	**23**	14	13	12	6.8	12	5.4	2.8	5.2
GEO-3	10/19/2006	ND(105)	171	ND(105)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.2)	ND(0.421)	ND(0.421)	ND(0.421)
GEO-4	10/7/2002	ND(30)	100	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GEO-5	7/12/2011	ND(100)	ND(100)	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)
GEO/MW-100	10/19/2006	ND(102)	ND(102)	155	6.2	0.963	ND(0.408)	3.7	1.82	2.47	0.761	2.07	1.56	0.62	0.516	ND(0.408)	0.472	0.416	ND(0.408)	ND(0.408)	ND(0.408)
MW-102	2/3/2005	308	2,270	602	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-101	10/19/2006	ND(102)	ND(102)	117	ND(0.408)	ND(0.408)	ND(0.408)	ND(0.408)	ND(0.408)	5.41	1.53	9.11	7.42	5.37	5.28	7.84	3.98	6.56	2.78	0.737	2.57
MW-103	11/7/2003	ND(606)	755	1,050	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/20/2011	Not sampled due to 0.05 feet of LNAPL detected in well.																			
GEO/MW-103	10/19/2006	ND(105)	ND(105)	ND(105)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.421)	ND(0.2)	ND(0.421)	ND(0.421)	ND(0.421)
	Duplicate [7]	ND(103)	ND(103)	ND(103)	0.444	ND(0.412)	ND(0.412)	ND(0.412)	ND(0.412)	1.69	0.466	3.84	3.21	1.38	1.39	0.986	1.15	1.22	ND(0.412)	ND(0.412)	0.522
MW-104	2/3/2005	230	1,690	621	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/12/2011	ND(100)	ND(100)	160	ND(0.5)	ND(0.5)	ND(0.5)	1	0.9	1.3	ND(0.5)	1.6	1.5	0.8	0.9	0.7	0.6	0.8	ND(0.5)	ND(0.5)	ND(0.5)
MW-201	5/20/2011	ND(100)	230	750	3.6	2.2	1.3	**3.5**	4.6	60	12	67	**61**	35	35	23	24	26	10	4.9	9.1
	7/12/2011	ND(100)	ND(100)	400	0.9	0.7	ND(0.5)	0.8	1.3	14	3	18	15	8.5	8.7	6.6	4.6	6.9	3.2	1.5	3.2
MW-202	5/20/2011	810	5,800	2,900	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	5.8	ND(5)	ND(5)	ND(5)	ND(5)	ND(2)	ND(5)	ND(5)	ND(5)
	7/12/2011	530	5,100	2,400	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	0.5	1.8	ND(0.5)	1.3	2.6	0.6	1	ND(0.5)	ND(0.5)	0.5	ND(0.5)	ND(0.5)	ND(0.5)
MW-203	5/20/2011	ND(110)	480	530	2.3	1.3	ND(0.5)	3.6	4.5	46	10	41	**38**	19	19	12	10	14	6.4	3.3	6.3
MW-204	5/20/2011	ND(100)	ND(100)	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	2.9	ND(0.5)	3.9	4	1.8	1.8	1.4	1.2	1.6	0.9	ND(0.5)	1.2
	7/12/2011	ND(100)	ND(100)	190	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)
MW-205	5/20/2011	ND(100)	ND(100)	ND(100)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	4.2	1	6.9	6.5	3.9	4	2.6	2.8	3.3	1.8	0.8	1.9

NOTES
1. µg/L = micrograms per liter.
2. ND(x) = not detected at laboratory practical quantitation limit (PQL) shown in parentheses.
3. MCP = Massachusetts Contingency Plan.
4. NS indicates there is not an MCP Method 1 GW-2 Risk Characterization standard for that constituent.
5. NA indicates not analyzed for the noted constituent; LNAPL = light non-aqueous phase liquid.
6. Bold font indicated that the constituent was detected above an applicable Method 1 Standard, or the laboratory PQL is greater than an applicable standard.
7. A blind duplicate identified as MW-434 was collected from well GEO/MW-103 on October 19, 2006.

TABLE 6
SUMMARY OF GROUND WATER ANALYTICAL DATA - VOCS
LINCOLN SB, LLC
320 D STREET
SOUTH BOSTON, MASSACHUSETTS
MADEP RTN 3-1049

Well ID	Sampling Date	Acetone (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m/p-xylene (µg/L)	o-xylene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	chloroform (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1-Dichlorethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Tetra-chloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Vinyl Chloride (µg/L)
MCP Method 1 Standards	**GW-2**	**50,000**	**2,000**	**50,000**	**20,000**	**9000 [5]**		**50,000**	**1,000**	**50**	**100**	**1,000**	**5**	**80**	**50**	**4,000**	**30**	**2**
	GW-3	**50,000**	**10,000**	**40,000**	**5,000**	**5000 [5]**		**50,000**	**20,000**	**20,000**	**50,000**	**20,000**	**20,000**	**30,000**	**30,000**	**20,000**	**5,000**	**50,000**
H-1	10/7/2002	ND(50)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	10/19/2006	ND(5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(2.5)	ND(0.75)	ND(0.5)	ND(0.75)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
H-2	10/7/2002	ND(50)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
H-3	10/7/2002	ND(50)	220	ND(25)	ND(1)	26		ND(25)	ND(25)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
H-4	10/7/2002	ND(50)	ND(1)	ND(1)	ND(1)	ND(1)		5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
GEO-1	10/7/2002	ND(50)	14	ND(10)	ND(10)	ND(10)		ND(10)	ND(10)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
GEO-2	10/7/2002	ND(50)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	10/19/2006	ND(5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(0.1)	ND(2.5)	ND(0.75)	ND(0.5)	ND(0.75)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
GEO-3	10/7/2002	ND(50)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	10/19/2006	6.2	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(0.75)	0.68	ND(0.75)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	5/20/2011	ND(10)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(1)	4	ND(2)	ND(2)	ND(2)
	7/12/2011	ND(10)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(1)	3	ND(2)	ND(2)	ND(2)
GEO-4	10/7/2002	ND(50)	ND(1)	ND(1)	ND(1)	ND(1)		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
GEO-5	10/7/2002	ND(50)	ND(1)	ND(1)	ND(1)	2		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
GEO/MW-100	10/19/2006	ND(5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(1)	5.5	ND(0.75)	ND(0.5)	ND(0.75)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
MW-101	10/19/2006	ND(5)	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(2.5)	ND(0.75)	ND(0.5)	ND(0.75)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
MW-103	11/7/2003 [7]	ND(25)	459	129	18.6	194		ND(1)	6.45	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)
GEO/MW-103	10/19/2006	6.9	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(2.5)	ND(0.75)	ND(0.5)	ND(0.75)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	Duplicate [6]	7.6	ND(0.5)	ND(0.75)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(2.5)	ND(0.75)	ND(0.5)	ND(0.75)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
MW-104	5/20/2011	12	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)
MW-204	7/12/2011	ND(10)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)

NOTES:
1. µg/L = micrograms per liter.
2. ND(x) = not detected at laboratory practical quantitation limit (PQL) shown in parentheses.
3. NA = not analyzed for the noted analyte.
4. MTBE = methyl tertiary butyl ether.
5. Xylene standards are for total xylenes.
6. A blind duplicate identified as MW-434 was collected from well GEO/MW-103 on October 19, 2006.
7. On 11/7/2003, 1,2-dichlorobenzene, chlorobenzene, diethyl ether, and select alkylbenzenes were detected above laboratory PQLs in the sample collected from well MW-103.

TABLE 5
SUMMARY OF GROUND WATER ANALYTICAL DATA - DISSOLVED METALS
LINCOLN SB, LLC
320 D STREET
SOUTH BOSTON, MASSACHUSETTS
MADEP RTN 3-1049

Well ID	Sampling Date	Antimony (µg/L)	Arsenic (µg/L)	Barium (µg/L)	Beryllium (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	Mercury (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Silver (µg/L)	Thallium (µg/L)	Vanadium (µg/L)	Zinc (µg/L)
MCP Method 1 Standards	**GW-2**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
	GW-3	**8,000**	**900**	**50,000**	**200**	**4**	**300**	**10**	**20**	**200**	**100**	**7**	**3,000**	**4,000**	**900**
H-1	5/20/2011	NA	NA	NA	NA	NA	NA	ND(8)	NA	ND(50)	NA	NA	NA	NA	NA
H-4	7/12/2011	NA	NA	NA	NA	NA	NA	ND(8)	NA	NA	NA	NA	NA	NA	NA
GEO-1	10/7/2002	NA	ND(50)	928	NA	ND(5)	ND(10)	ND(5)	ND(0.5)	NA	ND(50)	ND(7)	NA	NA	NA
GEO-2	7/12/2011	NA	NA	NA	NA	NA	NA	ND(8)	NA	NA	NA	NA	NA	NA	NA
GEO-3	7/12/2011	NA	NA	NA	NA	NA	NA	**12**	NA	NA	NA	NA	NA	NA	NA
GEO-4	10/7/2002	NA	ND(50)	537	NA	ND(5)	ND(10)	ND(5)	ND(0.5)	NA	ND(50)	ND(7)	NA	NA	NA
GEO-5	7/12/2011	NA	NA	NA	NA	NA	NA	ND(8)	NA	NA	NA	NA	NA	NA	NA
MW-102	2/3/2005	NA	NA	NA	NA	NA	NA	ND(10)	NA	NA	NA	NA	NA	NA	NA
MW-103	11/7/2003	ND(100)	ND(50)	796	ND(1)	ND(5)	ND(20)	**31.6**	ND(0.5)	ND(20)	ND(50)	ND(5)	ND(100)	ND(20)	ND(100)
	7/12/2011	NA	NA	NA	NA	NA	NA	ND(8)	NA	NA	NA	NA	NA	NA	NA
GEO/MW-100	7/12/2011	NA	NA	NA	NA	NA	NA	ND(8)	NA	NA	NA	NA	NA	NA	NA
GEO/MW-103	5/20/2011	ND(6)	17	80	ND(4)	ND(4)	ND(50)	ND(8)	ND(0.2)	ND(50)	ND(50)	ND(7)	ND(2)	ND(50)	ND(50)
MW-104	2/3/2005	NA	NA	NA	NA	NA	NA	ND(10)	NA	NA	NA	NA	NA	NA	NA
MW-201	5/20/2011	NA	NA	NA	NA	NA	NA	**280**	NA	ND(50)	NA	NA	NA	NA	NA
	7/12/2011	NA	NA	NA	NA	NA	NA	**11**	NA	NA	NA	NA	NA	NA	NA
MW-202	5/20/2011	NA	NA	NA	NA	NA	NA	ND(8)	NA	ND(50)	NA	NA	NA	NA	NA
	7/12/2011	NA	NA	NA	NA	NA	NA	ND(8)	NA	NA	NA	NA	NA	NA	NA
MW-203	5/20/2011	NA	NA	NA	NA	NA	NA	**150**	NA	ND(50)	NA	NA	NA	NA	NA
MW-204	5/20/2011	NA	NA	NA	NA	NA	NA	**110**	NA	ND(50)	NA	NA	NA	NA	NA
	7/12/2011	NA	NA	NA	NA	NA	NA	**55**	NA	NA	NA	NA	NA	NA	NA
MW-205	5/20/2011	NA	NA	NA	NA	NA	NA	ND(8)	NA	ND(50)	NA	NA	NA	NA	NA

NOTES:
1. µg/L = micrograms per liter.
2. ND(x) = not detected at laboratory practical quantitation limit (PQL) shown in parentheses.
3. Bold font indicates that the constituent was detected above an applicable Method 1 Standard, or the laboratory PQL is greater than an applicable standard.
4. NA = Not analyzed; NS indicates there is not a Method 1 GW-2 Risk Characterization standard for that constituent.

TABLE 5
SUMMARY OF ANALYTICAL RESULTS - 2006 GROUND WATER SAMPLES
MCL COMPANIES PROPOSED SITE DEVELOPMENT
219 WEST FIRST STREET
SOUTH BOSTON, MASSACHUETTS

LOCATION	MCP Method 1		MW-100	GEO-2	GEO-3	MW-103	MW-434	H-1	MW-101
SAMPLING DATE	GW-2	GW-3	19-OCT-06	19-Oct-06	19-OCT-06	19-OCT-06	19-OCT-06	19-OCT-06	19-OCT-06
TOTAL METALS:									
Arsenic, Total	NS	900	NA	NA	NA	186	564	NA	NA
Barium, Total	NS	50000	NA	NA	NA	1500	3800	NA	NA
Cadmium, Total	NS	4	NA	NA	NA	7	**15**	NA	NA
Chromium, Total	NS	300	NA	NA	NA	180	**410**	NA	NA
Lead, Total	NS	10	NA	NA	NA	**1080**	**3850**	NA	NA
Mercury, Total	NS	20	NA	NA	NA	8.8	13.6	NA	NA
Selenium, Total	NS	100	NA	NA	NA	ND (10)	ND (10)	NA	NA
Silver, Total	NS	7	NA	NA	NA	ND (7)	ND (7)	NA	NA
VOCs:									
1,1,1,2-Tetrachloroethane	10	50000	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	4000	20000	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2,2-Tetrachloroethane	9	50000	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	900	50000	ND (0.75)	ND (0.75)	ND (0.75)	ND (0.75)	ND (0.75)	ND (0.75)	ND (0.75)
1,1-Dichloroethane	1000	20000	ND (0.75)	ND (0.75)	ND (0.75)	ND (0.75)	ND (0.75)	ND (0.75)	ND (0.75)
1,1-Dichloroethene	80	30000	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloropropene	NS	NS	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,3-Trichlorobenzene	NS	NS	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,3-Trichloropropane	NS	NS	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2,4-Trichlorobenzene	2000	50000	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,4-Trimethylbenzene	NS	NS	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dibromo-3-chloropropane	NS	NS	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dibromoethane	2	50000	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,2-Dichlorobenzene	2000	2000	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dichloroethane	5	20000	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloropropane	3	50000	ND 1.8	ND 1.8	ND 1.8	ND 1.8	ND 1.8	ND 1.8	ND 1.8
1,3,5-Trimethylbenzene	NS	NS	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,3-Dichlorobenzene	2000	50000	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,3-Dichloropropane	NS	NS	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,4-Dichlorobenzene	200	8000	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,4-Dioxane	NS	NS	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)
2,2-Dichloropropane	NS	NS	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
2-Butanone	50000	50000	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Hexanone	NS	NS	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Methyl-2-pentanone	50000	50000	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acetone	50000	50000	ND (5)	ND (5)	6.2	6.9	7.6	ND (5)	ND (5)
Benzene	2000	10000	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromobenzene	NS	NS	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Bromochloromethane	NS	NS	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Bromodichloromethane	6	50000	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	700	50000	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Bromomethane	2	50000	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Carbon disulfide	NS	NS	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Carbon tetrachloride	2	5000	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	200	1000	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	NS	NS	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Chloroform	400	10000	ND (0.75)	ND (0.75)	ND (0.75)	ND (0.75)	ND (0.75)	ND (0.75)	ND (0.75)
Chloromethane	NS	NS	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
cis-1,2-Dichloroethene	100	50000	ND (0.5)	ND (0.5)	0.68	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
cis-1,3-Dichloropropene	5	2000	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromochloromethane	20	50000	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromomethane	NS	NS	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dichlorodifluoromethane	NS	NS	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Ethyl ether	NS	NS	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Ethyl-Tert-Butyl-Ether	NS	NS	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Ethylbenzene	30000	4000	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Hexachlorobutadiene	1	3000	ND 0.6	ND 0.6	ND 0.6	ND 0.6	ND 0.6	ND 0.6	ND 0.6

ATTACHMENT C

MassDEP - Bureau of Waste Site Cleanup

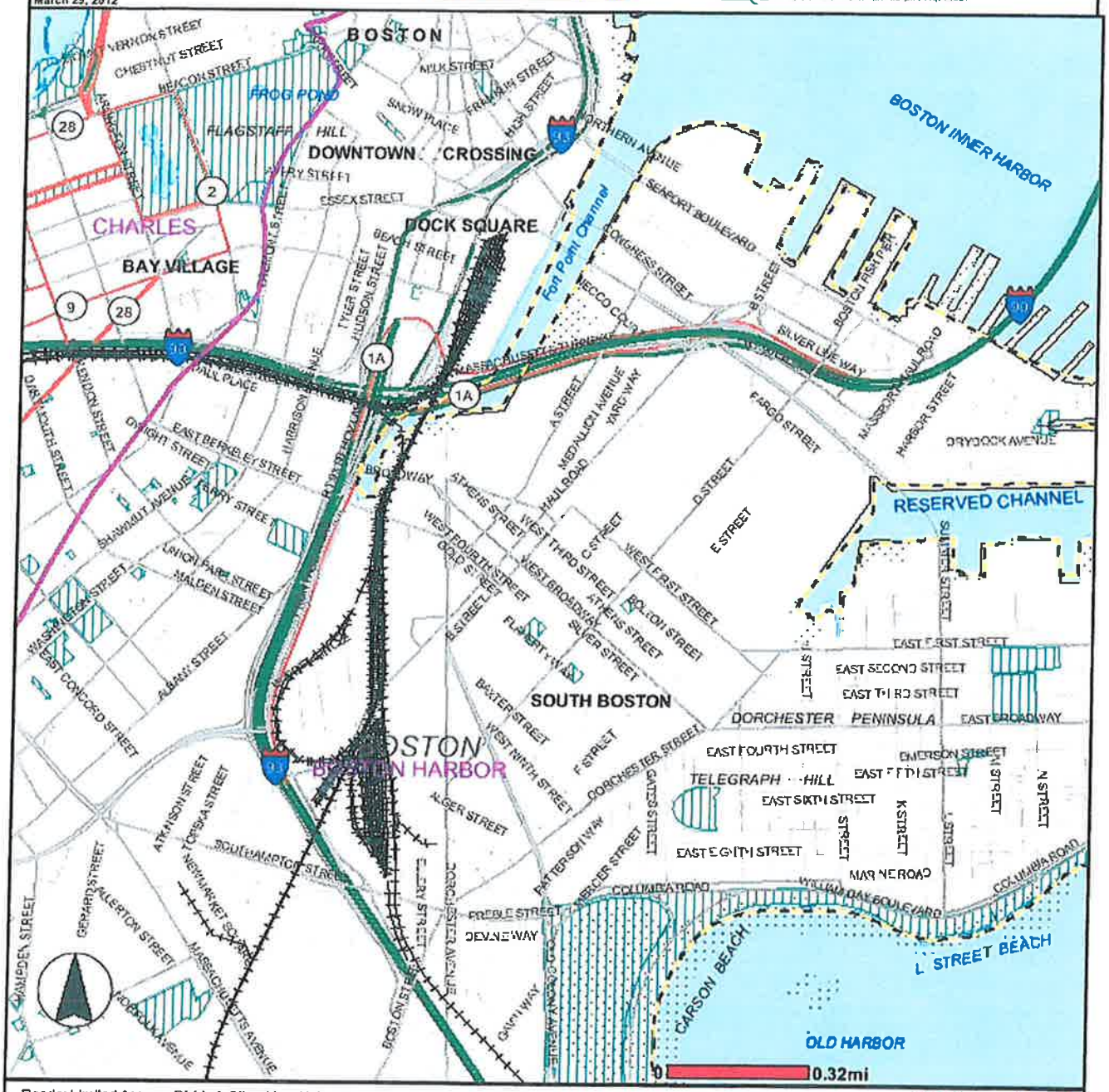
MCP Numerical Ranking System Map: 500 feet & 0.5 Mile Radii

Site Name:
320 D Street
320 D Street
Boston-South Boston, MA
RTN: 3-000001049
NAD83 MA Coordinates:
0mE, 0mN

March 29, 2012

The information shown on this map is the best available at the date of printing. For more information please refer to www.mass.gov/mgis/massgis.htm

MassDEP



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail
Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct
Basins: Major, Sub; Streams: Perennial, Intermittent, Man Made Shore, Dam
Aquifers: Medium Yield, High Yield, EPA Sole Source
Non Potential Drinking Water Source Area: Medium, High (Yield)
PWS Protection Areas: Zone II, IWPA, Zone A
Hydrography: Open Water, PWS Reservoir, Tidal Flat
Wetlands: Freshwater, Saltwater, Cranberry Bog
FEMA 100yr Floodplain; Protected Open Space; ACEC
NHESP: Est Rare Wetland Habitat, Certified Vernal Pool
DEP Permitted Solid Waste Landfill

FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN MASSACHUSETTS

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Barnstable	Piping Plover	Threatened	Coastal Beaches	All Towns
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	All Towns
	Northeastern beach tiger beetle	Threatened	Coastal Beaches	Chatham
	Sandplain gerardia	Endangered	Open areas with sandy soils.	Sandwich and Falmouth.
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Bourne (north of the Cape Cod Canal)
Berkshire	Bog Turtle	Threatened	Wetlands	Egremont and Sheffield
Bristol	Piping Plover	Threatened	Coastal Beaches	Fairhaven, Dartmouth, Westport
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Fairhaven, New Bedford, Dartmouth, Westport
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Taunton
Dukes	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	All Towns
	Piping Plover	Threatened	Coastal Beaches	All Towns
	Northeastern beach tiger beetle	Threatened	Coastal Beaches	Aquinnah and Chilmark
	Sandplain gerardia	Endangered	Open areas with sandy soils.	West Tisbury
Essex	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Gloucester, Essex and Manchester
	Piping Plover	Threatened	Coastal Beaches	Gloucester, Essex, Ipswich, Rowley, Revere, Newbury, Newburyport and Salisbury
Franklin	Northeastern bulrush	Endangered	Wetlands	Montague, Warwick
	Dwarf wedgemussel	Endangered	Mill River	Whately
Hampshire	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Hadley
	Puritan tiger beetle	Threatened	Sandy beaches along the Connecticut River	Northampton and Hadley
	Dwarf wedgemussel	Endangered	Rivers and Streams.	Hatfield, Amherst and Northampton
Hampden	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Southwick
Middlesex	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Groton
Nantucket	Piping Plover	Threatened	Coastal Beaches	Nantucket
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Nantucket
	American burying beetle	Endangered	Upland grassy meadows	Nantucket
Plymouth	Piping Plover	Threatened	Coastal Beaches	Scituate, Marshfield, Duxbury, Plymouth, Wareham and Mattapoisett
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Kingston, Middleborough, Carver, Plymouth, Bourne, Wareham, Halifax, and Pembroke
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Plymouth, Marion, Wareham, and Mattapoisett.
Suffolk	Piping Plover	Threatened	Coastal Beaches	Winthrop
Worcester	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Leominster

-Eastern cougar and gray wolf are considered extirpated in Massachusetts.
-Endangered gray wolves are not known to be present in Massachusetts, but dispersing individuals from source populations in Canada may occur statewide.
-Critical habitat for the Northern Red-bellied Cooter is present in Plymouth County.

Revised 10/7/2011

ATTACHMENT D

ATTACHMENT D
BEST MANAGEMENT PRACTICES

NPDES Remediation General Permit
West Square - 320 D Street
South Boston, Massachusetts

GeoInsight, Inc. (GeoInsight) prepared this narrative to describe Best Management Practices (BMPs) to be implemented, as warranted, to comply with the requirements of the National Pollutant Discharge Elimination System (NPDES) Remediation General Permit (RGP) in Massachusetts. The BMPs described herein apply to the Site described in the accompanying Notice of Intent (NOI) and are intended for use during dewatering management activities. A separate Storm Water Pollution Prevention Plan has been prepared for the Site.

Health and Safety

Dewatering activities must be pursued in a manner that does not unduly put workers at risk for hazards associated with water, excavation safety, chemical exposure, or mechanical equipment. Work sequences should be planned and implemented carefully in accordance with applicable regulations and standards of practice.

Training of Dewatering Operations Personnel

The treatment system operation must be supervised by a licensed Operator. Employees involved in the dewatering and treatment system operations must be trained regarding the system controls, treatment quality objectives, sampling requirements, system maintenance, discharge conditions, and recording of proper data. Personnel who have responsibilities related to the dewatering efforts must be informed of the contents of the RGP, these BMPs and the NOI.

Minimizing Sediment in Influent

It is expected that dewatering will be performed using localized electric submersible pumps set within crushed-stone-lined sumps placed strategically at low points within the excavations and positioned away from areas that could adversely interfere with construction operations. The construction of the sumps must be conducted such that entrainment of sediment in the water removed is minimized. Removal of excess sediment during pumping undesirably increases the size of the excavation and transports material to the treatment train where is will require additional management.

Management of Generated Wastes

The construction excavations and the remediation excavations will be conducted within the limits of a Massachusetts Contingency Plan (MCP) release site. As such, the wastes that are generated during the operation of the dewatering treatment system will be managed as MCP wastes. The anticipated wastes are anticipated to be limited to accumulated sediment within the fractionalization tank, used bag filters, and spent activated carbon. Sediment will be sampled in

a representative fashion and tested to facilitate disposed at a licensed facility. Used bag filters and other potential miscellaneous sampling wastes will be appropriately disposed of as solid or contaminated wastes, based on their characteristics. Spent activated carbon is anticipated to be managed by the subcontractor/vendor providing the clean carbon, and will include either off-site disposal at a licensed facility or processing and reuse (regeneration)

Normal Treatment System Operations

The treatment system must be operated in accordance with manufacturers' requirements. The system should be designed such that the maximum anticipated flow is accommodated by even the most restrictive aspect of the system. Multiple treatment units must be used to achieve treatment goals while still passing the required flow rate. The system will be monitored with a continuous in-line flow meter. Influent and effluent sampling ports will be provided to assess treatment performance. Visual assessment should be made daily to verify operational parameters are consistent and that obvious changes to the system are not required due to the presence of significant free product, sediment, etc. If actual ground water quality is not consistent with conditions expected as described in the NOI, changes to the treatment system may be necessary.

Regular sampling and testing must be conducted to evaluate the quality of the treated effluent as required by the RGP. This includes the appropriate frequency of chemical testing required within the first month of discharge, and then subsequent monthly testing to be conducted through the end of the scheduled discharge. Performance monitoring will include recording daily flow rates and discharge quantities, significant adjustments made to the operation, and visual checks of the discharge location. Monthly monitoring reports will be compiled and maintained at the site.

System Maintenance Operations

The treatment system will include a fractionation tank, bag filter, and activated carbon, along with pumps, piping, valves, and instrumentation. Regular maintenance will include daily checking the condition of the treatment system equipment such as the fractionization tanks and accumulation of sediment, seals and connections, hoses and valves, pumps, and flow meters. Either visual or laboratory monitoring data will be used to make decisions regarding change-outs necessary for bag filters and carbon units. Bag filters will be replaced whenever the pressure drop across the filters exceeds the system's design criteria. Preventative maintenance should be practiced to promote continuous availability of the treatment system and consistent treatment performance.

Discharge Operations

Treated water from the system will be drained into a nearby catch basin. The catchbasin structure consists of solid sidewalls and bottom and, therefore, will be resistant to erosion from hose discharge. However, efforts should be made to avoid stirring up sediment present in the bottom of the catch basin, including dispersion or energy reduction devices. Based upon the design flow rate, it is not anticipated that the dewatering discharge will cause or contribute to erosion or scouring at the ultimate discharge location in the reserve channel.

Site Security

During construction activities, the dewatering and treatment system will be located within a fenced-in area controlled by the General Contractor and restricted to the general public. The Operator shall verify that system controls are either supervised while in use or locked when unsupervised so that the treatment system is reasonably protected from misuse by vandals or other unauthorized persons. This should include locking of pumps and valves to prevent untreated discharge of oil or hazardous materials into the storm drain.

Demobilization

At the completion of the dewatering and treatment operations, sumps should be properly excavated and backfilled, grouted, left in place depending upon their condition. System components should be decontaminated and residuals managed as MCP wastes following removal of bulk materials.

ANALYTICAL REPORT

Lab Number:	L0615233
Client:	Geoinsight 25 Sundial Avenue Suite 515 W Manchester, NH 03103
ATTN:	Bill Gram
Project Name:	MCL COMPANIES
Project Number:	4442
Report Date:	10/27/06

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (200305), NJ (MA935), RI (LAO00065), ME (2006012), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: MCL COMPANIES
Project Number: 4442

Lab Number: L0615233
Report Date: 10/27/06

Alpha Sample ID	Client ID	Sample Location
L0615233-01	MW-100	S. BOSTON
L0615233-02	GEO-2	S. BOSTON
L0615233-03	GEO-3	S. BOSTON
L0615233-04	MW-103	S. BOSTON
L0615233-05	MW-434	S. BOSTON
L0615233-06	H-1	S. BOSTON
L0615233-07	MW-101	S. BOSTON
L0615233-08	TRIP BLANK	S. BOSTON

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

MADEP MCP Response Action Analytical Report Certification

The following questions pertain only to MCP Analytical Methods

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

A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Project Name: MCL COMPANIES **Lab Number:** L0615233
Project Number: 4442 **Report Date:** 10/27/06

Case Narrative

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

MCP Related Narratives

Volatile Organics

L0615233-01 through -04 were processed against a calibration curve that utilized a quadratic fit for 1,1,2,2-Tetrachloroethane.

L0615233-01 through -05: The Acetone detected in the liquid Volatile Organics analysis may be due to preexisting Acetone in the HCL preserved vial. Acetone was found in some of the vials in this lot of certified vials.

In reference to question E:

WG258555-1,2; WG258555-7,8:

The LCS/LCSD % recoveries for Dichlorodifluoromethane, a difficult analyte, are above the acceptance criteria for the method.

EPH

In reference to question E:

The surrogate % recoveries for Chloro-Octadecane, o-Terphenyl and o-Terphenyl-ms are below the acceptance criteria for the method on L0615233-05. Re-extraction and re-analysis confirmed possible matrix interference. Both analyses are reported.

The WG258567-2,3 LCS/LCSD RPD for Hexadecane is above the acceptance criteria for the method.

Metals

L0615233-05 was re-analyzed on a 2x dilution in order to quantitate the sample within the calibration curve for the element Mercury. The result is reported as a greater than value for the element that exceeded the calibration curve on the initial analysis. The re-analysis was performed only for Mercury.

In reference to question F:

At the client's request, all submitted samples were not analyzed for the full MCP list of compounds specified for the Method.

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

Authorized Signature:

Title: Technical Director Date: 10/27/06

ORGANICS

VOLATILES

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-01	Date Collected:	10/19/06 09:20
Client ID:	MW-100	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/25/06 14:27		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-01	Date Collected:	10/19/06 09:20
Client ID:	MW-100	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	ND		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	ND		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	5.5		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-01	Date Collected:	10/19/06 09:20
Client ID:	MW-100	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	108		70-130

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-02	Date Collected:	10/19/06 09:35
Client ID:	GEO-2	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/26/06 18:19		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-02	Date Collected:	10/19/06 09:35
Client ID:	GEO-2	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	ND		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	ND		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-02	Date Collected:	10/19/06 09:35
Client ID:	GEO-2	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	104		70-130

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-03	Date Collected:	10/19/06 09:50
Client ID:	GEO-3	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/26/06 18:55		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-03	Date Collected:	10/19/06 09:50
Client ID:	GEO-3	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	ND		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	0.68		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	6.2		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-03	Date Collected:	10/19/06 09:50
Client ID:	GEO-3	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	107		70-130

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-04	Date Collected:	10/19/06 10:15
Client ID:	MW-103	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/26/06 19:32		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-04	Date Collected:	10/19/06 10:15
Client ID:	MW-103	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	ND		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	6.9		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-04	Date Collected:	10/19/06 10:15
Client ID:	MW-103	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	106		70-130

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-05	Date Collected:	10/19/06 10:30
Client ID:	MW-434	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/27/06 12:56		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-05	Date Collected:	10/19/06 10:30
Client ID:	MW-434	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	ND		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	7.6		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-05	Date Collected:	10/19/06 10:30
Client ID:	MW-434	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	93		70-130

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-06	Date Collected:	10/19/06 11:15
Client ID:	H-1	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/27/06 13:35		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-06	Date Collected:	10/19/06 11:15
Client ID:	H-1	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	ND		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	ND		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-06	Date Collected:	10/19/06 11:15
Client ID:	H-1	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	91		70-130

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-07	Date Collected:	10/19/06 12:00
Client ID:	MW-101	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/27/06 14:13		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-07	Date Collected:	10/19/06 12:00
Client ID:	MW-101	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	ND		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	ND		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-07	Date Collected:	10/19/06 12:00
Client ID:	MW-101	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	91		70-130

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-08	Date Collected:	10/12/06 19:15
Client ID:	TRIP BLANK	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/26/06 00:17		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
Trichlorofluoromethane	ND		ug/l	2.5	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
1,1-Dichloropropene	ND		ug/l	2.5	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Benzene	ND		ug/l	0.50	1
Toluene	ND		ug/l	0.75	1
Ethylbenzene	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Bromomethane	ND		ug/l	1.0	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-08	Date Collected:	10/12/06 19:15
Client ID:	TRIP BLANK	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,4-Dichlorobenzene	ND		ug/l	2.5	1
Methyl tert butyl ether	ND		ug/l	1.0	1
p/m-Xylene	ND		ug/l	1.0	1
o-Xylene	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dibromomethane	ND		ug/l	5.0	1
1,2,3-Trichloropropane	ND		ug/l	5.0	1
Styrene	ND		ug/l	1.0	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
Acetone	ND		ug/l	5.0	1
Carbon disulfide	ND		ug/l	5.0	1
2-Butanone	ND		ug/l	5.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1
2-Hexanone	ND		ug/l	5.0	1
Bromochloromethane	ND		ug/l	2.5	1
Tetrahydrofuran	ND		ug/l	10	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
Bromobenzene	ND		ug/l	2.5	1
n-Butylbenzene	ND		ug/l	0.50	1
sec-Butylbenzene	ND		ug/l	0.50	1
tert-Butylbenzene	ND		ug/l	2.5	1
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
Isopropylbenzene	ND		ug/l	0.50	1
p-Isopropyltoluene	ND		ug/l	0.50	1
Naphthalene	ND		ug/l	2.5	1
n-Propylbenzene	ND		ug/l	0.50	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	1
Ethyl ether	ND		ug/l	2.5	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-08	Date Collected:	10/12/06 19:15
Client ID:	TRIP BLANK	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Isopropyl Ether	ND		ug/l	2.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	1
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	95		70-130

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/25/06 15:28
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 08 Batch: WG258374-3				
Methylene chloride	ND		ug/l	5.0
1,1-Dichloroethane	ND		ug/l	0.75
Chloroform	ND		ug/l	0.75
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	1.8
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.75
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	2.5
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	2.5
Bromoform	ND		ug/l	2.0
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.75
Ethylbenzene	ND		ug/l	0.50
Chloromethane	ND		ug/l	2.5
Bromomethane	ND		ug/l	1.0
Vinyl chloride	ND		ug/l	1.0
Chloroethane	ND		ug/l	1.0
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.75
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/25/06 15:28
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 08 Batch: WG258374-3				
Methyl tert butyl ether	ND		ug/l	1.0
p/m-Xylene	ND		ug/l	1.0
o-Xylene	ND		ug/l	1.0
cis-1,2-Dichloroethene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	5.0
1,2,3-Trichloropropane	ND		ug/l	5.0
Styrene	ND		ug/l	1.0
Dichlorodifluoromethane	ND		ug/l	5.0
Acetone	ND		ug/l	5.0
2-Butanone	ND		ug/l	5.0
4-Methyl-2-pentanone	ND		ug/l	5.0
2-Hexanone	ND		ug/l	5.0
Bromochloromethane	ND		ug/l	2.5
Tetrahydrofuran	ND		ug/l	10
2,2-Dichloropropane	ND		ug/l	2.5
1,2-Dibromoethane	ND		ug/l	2.0
1,3-Dichloropropane	ND		ug/l	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
Bromobenzene	ND		ug/l	2.5
n-Butylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	2.5
o-Chlorotoluene	ND		ug/l	2.5
p-Chlorotoluene	ND		ug/l	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	2.5
n-Propylbenzene	ND		ug/l	0.50
1,3,5-Trimethylbenzene	ND		ug/l	2.5
1,2,4-Trimethylbenzene	ND		ug/l	2.5

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/25/06 15:28
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 08 Batch: WG258374-3				
Ethyl ether	ND		ug/l	2.5
Isopropyl Ether	ND		ug/l	2.0
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0
1,4-Dioxane	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	93		70-130

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/25/06 12:00
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01 Batch: WG258555-3				
Methylene chloride	ND		ug/l	5.0
1,1-Dichloroethane	ND		ug/l	0.75
Chloroform	ND		ug/l	0.75
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	1.8
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.75
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	2.5
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	2.5
Bromoform	ND		ug/l	2.0
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.75
Ethylbenzene	ND		ug/l	0.50
Chloromethane	ND		ug/l	2.5
Bromomethane	ND		ug/l	1.0
Vinyl chloride	ND		ug/l	1.0
Chloroethane	ND		ug/l	1.0
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.75
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/25/06 12:00
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01 Batch: WG258555-3				
Methyl tert butyl ether	ND		ug/l	1.0
p/m-Xylene	ND		ug/l	1.0
o-Xylene	ND		ug/l	1.0
cis-1,2-Dichloroethene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	5.0
1,2,3-Trichloropropane	ND		ug/l	5.0
Styrene	ND		ug/l	1.0
Dichlorodifluoromethane	ND		ug/l	5.0
Acetone	ND		ug/l	5.0
Carbon disulfide	ND		ug/l	5.0
2-Butanone	ND		ug/l	5.0
4-Methyl-2-pentanone	ND		ug/l	5.0
2-Hexanone	ND		ug/l	5.0
Bromochloromethane	ND		ug/l	2.5
Tetrahydrofuran	ND		ug/l	10
2,2-Dichloropropane	ND		ug/l	2.5
1,2-Dibromoethane	ND		ug/l	2.0
1,3-Dichloropropane	ND		ug/l	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
Bromobenzene	ND		ug/l	2.5
n-Butylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	2.5
o-Chlorotoluene	ND		ug/l	2.5
p-Chlorotoluene	ND		ug/l	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	2.5
n-Propylbenzene	ND		ug/l	0.50

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/25/06 12:00
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01 Batch: WG258555-3				
1,2,3-Trichlorobenzene	ND		ug/l	2.5
1,2,4-Trichlorobenzene	ND		ug/l	2.5
1,3,5-Trimethylbenzene	ND		ug/l	2.5
1,2,4-Trimethylbenzene	ND		ug/l	2.5
Ethyl ether	ND		ug/l	2.5
Isopropyl Ether	ND		ug/l	2.0
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0
1,4-Dioxane	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/26/06 17:43
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 02-04 Batch: WG258555-9				
Methylene chloride	ND		ug/l	5.0
1,1-Dichloroethane	ND		ug/l	0.75
Chloroform	ND		ug/l	0.75
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	1.8
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.75
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	2.5
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	2.5
Bromoform	ND		ug/l	2.0
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.75
Ethylbenzene	ND		ug/l	0.50
Chloromethane	ND		ug/l	2.5
Bromomethane	ND		ug/l	1.0
Vinyl chloride	ND		ug/l	1.0
Chloroethane	ND		ug/l	1.0
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.75
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/26/06 17:43
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 02-04 Batch: WG258555-9				
Methyl tert butyl ether	ND		ug/l	1.0
p/m-Xylene	ND		ug/l	1.0
o-Xylene	ND		ug/l	1.0
cis-1,2-Dichloroethene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	5.0
1,2,3-Trichloropropane	ND		ug/l	5.0
Styrene	ND		ug/l	1.0
Dichlorodifluoromethane	ND		ug/l	5.0
Acetone	ND		ug/l	5.0
Carbon disulfide	ND		ug/l	5.0
2-Butanone	ND		ug/l	5.0
4-Methyl-2-pentanone	ND		ug/l	5.0
2-Hexanone	ND		ug/l	5.0
Bromochloromethane	ND		ug/l	2.5
Tetrahydrofuran	ND		ug/l	10
2,2-Dichloropropane	ND		ug/l	2.5
1,2-Dibromoethane	ND		ug/l	2.0
1,3-Dichloropropane	ND		ug/l	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
Bromobenzene	ND		ug/l	2.5
n-Butylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	2.5
o-Chlorotoluene	ND		ug/l	2.5
p-Chlorotoluene	ND		ug/l	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	2.5
n-Propylbenzene	ND		ug/l	0.50

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/26/06 17:43
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 02-04 Batch: WG258555-9				
1,2,3-Trichlorobenzene	ND		ug/l	2.5
1,2,4-Trichlorobenzene	ND		ug/l	2.5
1,3,5-Trimethylbenzene	ND		ug/l	2.5
1,2,4-Trimethylbenzene	ND		ug/l	2.5
Ethyl ether	ND		ug/l	2.5
Isopropyl Ether	ND		ug/l	2.0
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0
1,4-Dioxane	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/27/06 09:08
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 05-07 Batch: WG258603-3				
Methylene chloride	ND		ug/l	5.0
1,1-Dichloroethane	ND		ug/l	0.75
Chloroform	ND		ug/l	0.75
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	1.8
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.75
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	2.5
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	2.5
Bromoform	ND		ug/l	2.0
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.75
Ethylbenzene	ND		ug/l	0.50
Chloromethane	ND		ug/l	2.5
Bromomethane	ND		ug/l	1.0
Vinyl chloride	ND		ug/l	1.0
Chloroethane	ND		ug/l	1.0
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.75
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/27/06 09:08
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 05-07 Batch: WG258603-3				
Methyl tert butyl ether	ND		ug/l	1.0
p/m-Xylene	ND		ug/l	1.0
o-Xylene	ND		ug/l	1.0
cis-1,2-Dichloroethene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	5.0
1,2,3-Trichloropropane	ND		ug/l	5.0
Styrene	ND		ug/l	1.0
Dichlorodifluoromethane	ND		ug/l	5.0
Acetone	ND		ug/l	5.0
Carbon disulfide	ND		ug/l	5.0
2-Butanone	ND		ug/l	5.0
4-Methyl-2-pentanone	ND		ug/l	5.0
2-Hexanone	ND		ug/l	5.0
Bromochloromethane	ND		ug/l	2.5
Tetrahydrofuran	ND		ug/l	10
2,2-Dichloropropane	ND		ug/l	2.5
1,2-Dibromoethane	ND		ug/l	2.0
1,3-Dichloropropane	ND		ug/l	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
Bromobenzene	ND		ug/l	2.5
n-Butylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	2.5
o-Chlorotoluene	ND		ug/l	2.5
p-Chlorotoluene	ND		ug/l	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	2.5
n-Propylbenzene	ND		ug/l	0.50

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/27/06 09:08
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 05-07 Batch: WG258603-3				
1,2,3-Trichlorobenzene	ND		ug/l	2.5
1,2,4-Trichlorobenzene	ND		ug/l	2.5
1,3,5-Trimethylbenzene	ND		ug/l	2.5
1,2,4-Trimethylbenzene	ND		ug/l	2.5
Ethyl ether	ND		ug/l	2.5
Isopropyl Ether	ND		ug/l	2.0
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0
1,4-Dioxane	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MCL COMPANIES
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Report Date: 10/27/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 08 Batch: WG258374-1 WG258374-2					
Methylene chloride	105	87	70-130	19	25
1,1-Dichloroethane	107	91	70-130	16	25
Chloroform	91	76	70-130	18	25
Carbon tetrachloride	88	74	70-130	17	25
1,2-Dichloropropane	120	102	70-130	16	25
Dibromochloromethane	92	77	70-130	18	25
1,1,2-Trichloroethane	119	103	70-130	14	25
Tetrachloroethene	96	83	70-130	15	25
Chlorobenzene	112	95	70-130	16	25
Trichlorofluoromethane	107	91	70-130	16	25
1,2-Dichloroethane	97	81	70-130	18	25
1,1,1-Trichloroethane	86	73	70-130	16	25
Bromodichloromethane	93	79	70-130	16	25
trans-1,3-Dichloropropene	107	92	70-130	15	25
cis-1,3-Dichloropropene	99	82	70-130	19	25
1,1-Dichloropropene	105	88	70-130	18	25
Bromoform	104	88	70-130	17	50
1,1,2,2-Tetrachloroethane	125	108	70-130	15	25
Benzene	117	97	70-130	19	25
Toluene	113	97	70-130	15	25
Ethylbenzene	115	98	70-130	16	25

Lab Control Sample Analysis
Batch Quality Control

Project Name: MCL COMPANIES
Project Number: 4442

Lab Number: L0615233
Report Date: 10/27/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 08 Batch: WG258374-1 WG258374-2					
Chloromethane	98	81	70-130	19	50
Bromomethane	94	92	70-130	2	50
Vinyl chloride	92	77	70-130	18	25
Chloroethane	106	89	70-130	17	25
1,1-Dichloroethene	96	82	70-130	16	25
trans-1,2-Dichloroethene	100	82	70-130	20	25
Trichloroethene	102	84	70-130	19	25
1,2-Dichlorobenzene	112	94	70-130	17	25
1,3-Dichlorobenzene	113	94	70-130	18	25
1,4-Dichlorobenzene	112	94	70-130	17	25
Methyl tert butyl ether	93	80	70-130	15	25
p/m-Xylene	116	98	70-130	17	25
o-Xylene	114	97	70-130	16	25
cis-1,2-Dichloroethene	103	87	70-130	17	25
Dibromomethane	102	86	70-130	17	25
1,2,3-Trichloropropane	129	111	70-130	15	25
Styrene	119	102	70-130	15	25
Dichlorodifluoromethane	86	72	70-130	18	50
Acetone	95	87	70-130	9	50
Carbon disulfide	112	89	70-130	23	25
2-Butanone	104	93	70-130	11	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: MCL COMPANIES
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Lab Number: L0615233
Report Date: 10/27/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 08 Batch: WG258374-1 WG258374-2					
4-Methyl-2-pentanone	110	88	70-130	22	50
2-Hexanone	106	90	70-130	16	50
Bromochloromethane	90	76	70-130	17	25
Tetrahydrofuran	91	80	70-130	13	25
2,2-Dichloropropane	85	71	70-130	18	50
1,2-Dibromoethane	105	90	70-130	15	25
1,3-Dichloropropane	118	101	70-130	16	25
1,1,1,2-Tetrachloroethane	106	89	70-130	17	25
Bromobenzene	105	92	70-130	13	25
n-Butylbenzene	111	94	70-130	17	25
sec-Butylbenzene	113	95	70-130	17	25
tert-Butylbenzene	112	96	70-130	15	25
o-Chlorotoluene	121	103	70-130	16	25
p-Chlorotoluene	121	102	70-130	17	25
1,2-Dibromo-3-chloropropane	92	79	70-130	15	50
Hexachlorobutadiene	84	71	70-130	17	25
Isopropylbenzene	115	97	70-130	17	25
p-Isopropyltoluene	113	95	70-130	17	25
Naphthalene	99	84	70-130	16	25
n-Propylbenzene	125	107	70-130	16	25
1,2,3-Trichlorobenzene	98	84	70-130	15	25

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Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 08 Batch: WG258374-1 WG258374-2					
1,2,4-Trichlorobenzene	94	80	70-130	16	25
1,3,5-Trimethylbenzene	117	99	70-130	17	25
1,2,4-Trimethylbenzene	115	98	70-130	16	25
Ethyl ether	85	70	70-130	19	25
Isopropyl Ether	123	105	70-130	16	25
Ethyl-Tert-Butyl-Ether	102	87	70-130	16	25
Tertiary-Amyl Methyl Ether	101	86	70-130	16	25
1,4-Dioxane	101	95	70-130	6	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		91		70-130
Toluene-d8	104		105		70-130
4-Bromofluorobenzene	104		107		70-130
Dibromofluoromethane	91		92		70-130

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Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG258555-1 WG258555-2					
Methylene chloride	94	91	70-130	3	25
1,1-Dichloroethane	104	100	70-130	2	25
Chloroform	100	98	70-130	3	25
Carbon tetrachloride	107	100	70-130	3	25
1,2-Dichloropropane	105	99	70-130	1	25
Dibromochloromethane	93	94	70-130	2	25
1,1,2-Trichloroethane	99	97	70-130	4	25
Tetrachloroethene	102	97	70-130	3	25
Chlorobenzene	102	96	70-130	2	25
Trichlorofluoromethane	119	111	70-130	2	25
1,2-Dichloroethane	106	101	70-130	3	25
1,1,1-Trichloroethane	104	99	70-130	4	25
Bromodichloromethane	101	100	70-130	5	25
trans-1,3-Dichloropropene	102	99	70-130	3	25
cis-1,3-Dichloropropene	102	100	70-130	6	25
1,1-Dichloropropene	104	99	70-130	3	25
Bromoform	96	95	70-130	1	50
1,1,2,2-Tetrachloroethane	97	96	70-130	6	25
Benzene	104	98	70-130	2	25
Toluene	107	100	70-130	2	25
Ethylbenzene	105	101	70-130	0	25

Lab Control Sample Analysis
Batch Quality Control

Project Name: MCL COMPANIES
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Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG258555-1 WG258555-2					
Chloromethane	108	104	70-130	2	50
Bromomethane	107	116	70-130	9	50
Vinyl chloride	117	108	70-130	4	25
Chloroethane	108	104	70-130	2	25
1,1-Dichloroethene	106	99	70-130	2	25
trans-1,2-Dichloroethene	102	96	70-130	1	25
Trichloroethene	100	96	70-130	3	25
1,2-Dichlorobenzene	100	94	70-130	1	25
1,3-Dichlorobenzene	100	95	70-130	3	25
1,4-Dichlorobenzene	104	99	70-130	4	25
Methyl tert butyl ether	90	92	70-130	3	25
p/m-Xylene	109	103	70-130	2	25
o-Xylene	101	97	70-130	5	25
cis-1,2-Dichloroethene	103	98	70-130	1	25
Dibromomethane	101	102	70-130	5	25
1,2,3-Trichloropropane	108	110	70-130	8	25
Styrene	101	97	70-130	4	25
Dichlorodifluoromethane	**150**	**138**	70-130	1	50
Acetone	86	91	70-130	2	50
Carbon disulfide	98	90	70-130	1	25
2-Butanone	84	91	70-130	2	50

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Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG258555-1 WG258555-2					
4-Methyl-2-pentanone	80	90	70-130	1	50
2-Hexanone	80	81	70-130	1	50
Bromochloromethane	103	102	70-130	1	25
Tetrahydrofuran	77	85	70-130	2	25
2,2-Dichloropropane	108	101	70-130	2	50
1,2-Dibromoethane	99	99	70-130	1	25
1,3-Dichloropropane	100	98	70-130	5	25
1,1,1,2-Tetrachloroethane	104	101	70-130	3	25
Bromobenzene	99	97	70-130	4	25
n-Butylbenzene	106	97	70-130	2	25
sec-Butylbenzene	111	102	70-130	3	25
tert-Butylbenzene	110	103	70-130	4	25
o-Chlorotoluene	102	96	70-130	3	25
p-Chlorotoluene	104	96	70-130	3	25
1,2-Dibromo-3-chloropropane	92	98	70-130	12	50
Hexachlorobutadiene	98	92	70-130	10	25
Isopropylbenzene	116	111	70-130	2	25
p-Isopropyltoluene	114	104	70-130	5	25
Naphthalene	80	87	70-130	10	25
n-Propylbenzene	107	97	70-130	1	25
1,2,3-Trichlorobenzene	90	93	70-130	6	25

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Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG258555-1 WG258555-2					
1,2,4-Trichlorobenzene	85	87	70-130	6	25
1,3,5-Trimethylbenzene	108	101	70-130	3	25
1,2,4-Trimethylbenzene	105	98	70-130	3	25
Ethyl ether	87	93	70-130	4	25
Isopropyl Ether	95	96	70-130	1	25
Ethyl-Tert-Butyl-Ether	96	99	70-130	3	25
Tertiary-Amyl Methyl Ether	92	93	70-130	2	25
1,4-Dioxane	100	103	70-130	9	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		102		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	104		105		70-130

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Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-04 Batch: WG258555-7 WG258555-8					
Methylene chloride	94	98	70-130	4	25
1,1-Dichloroethane	102	105	70-130	3	25
Chloroform	95	104	70-130	9	25
Carbon tetrachloride	103	111	70-130	7	25
1,2-Dichloropropane	98	104	70-130	6	25
Dibromochloromethane	92	100	70-130	8	25
1,1,2-Trichloroethane	93	104	70-130	11	25
Tetrachloroethene	100	110	70-130	10	25
Chlorobenzene	98	107	70-130	9	25
Trichlorofluoromethane	113	117	70-130	3	25
1,2-Dichloroethane	104	111	70-130	7	25
1,1,1-Trichloroethane	103	103	70-130	0	25
Bromodichloromethane	95	101	70-130	6	25
trans-1,3-Dichloropropene	96	105	70-130	9	25
cis-1,3-Dichloropropene	94	103	70-130	9	25
1,1-Dichloropropene	102	107	70-130	5	25
Bromoform	94	100	70-130	6	50
1,1,2,2-Tetrachloroethane	90	100	70-130	11	25
Benzene	100	108	70-130	8	25
Toluene	98	108	70-130	10	25
Ethylbenzene	101	108	70-130	7	25

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Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-04 Batch: WG258555-7 WG258555-8					
Chloromethane	106	115	70-130	8	50
Bromomethane	106	122	70-130	14	50
Vinyl chloride	112	119	70-130	6	25
Chloroethane	106	112	70-130	6	25
1,1-Dichloroethene	97	107	70-130	10	25
trans-1,2-Dichloroethene	97	105	70-130	8	25
Trichloroethene	93	102	70-130	9	25
1,2-Dichlorobenzene	93	104	70-130	11	25
1,3-Dichlorobenzene	92	102	70-130	10	25
1,4-Dichlorobenzene	95	107	70-130	12	25
Methyl tert butyl ether	95	104	70-130	9	25
p/m-Xylene	105	109	70-130	4	25
o-Xylene	102	109	70-130	7	25
cis-1,2-Dichloroethene	99	106	70-130	7	25
Dibromomethane	97	105	70-130	8	25
1,2,3-Trichloropropane	102	113	70-130	10	25
Styrene	101	110	70-130	9	25
Dichlorodifluoromethane	**140**	**145**	70-130	4	50
Acetone	93	100	70-130	7	50
Carbon disulfide	91	96	70-130	5	25
2-Butanone	89	99	70-130	11	50

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Batch Quality Control

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Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-04 Batch: WG258555-7 WG258555-8					
4-Methyl-2-pentanone	89	99	70-130	11	50
2-Hexanone	82	97	70-130	17	50
Bromochloromethane	103	113	70-130	9	25
Tetrahydrofuran	87	90	70-130	3	25
2,2-Dichloropropane	99	104	70-130	5	50
1,2-Dibromoethane	98	104	70-130	6	25
1,3-Dichloropropane	93	103	70-130	10	25
1,1,1,2-Tetrachloroethane	98	108	70-130	10	25
Bromobenzene	93	104	70-130	11	25
n-Butylbenzene	95	104	70-130	9	25
sec-Butylbenzene	99	108	70-130	9	25
tert-Butylbenzene	99	111	70-130	11	25
o-Chlorotoluene	93	103	70-130	10	25
p-Chlorotoluene	93	105	70-130	12	25
1,2-Dibromo-3-chloropropane	87	105	70-130	19	50
Hexachlorobutadiene	83	94	70-130	12	25
Isopropylbenzene	109	119	70-130	9	25
p-Isopropyltoluene	99	112	70-130	12	25
Naphthalene	79	90	70-130	13	25
n-Propylbenzene	96	106	70-130	10	25
1,2,3-Trichlorobenzene	88	97	70-130	10	25

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Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-04 Batch: WG258555-7 WG258555-8					
1,2,4-Trichlorobenzene	82	93	70-130	13	25
1,3,5-Trimethylbenzene	98	108	70-130	10	25
1,2,4-Trimethylbenzene	95	106	70-130	11	25
Ethyl ether	97	108	70-130	11	25
Isopropyl Ether	97	108	70-130	11	25
Ethyl-Tert-Butyl-Ether	102	112	70-130	9	25
Tertiary-Amyl Methyl Ether	95	106	70-130	11	25
1,4-Dioxane	94	104	70-130	10	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		100		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	96		101		70-130
Dibromofluoromethane	103		101		70-130

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Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 05-07 Batch: WG258603-1 WG258603-2					
Methylene chloride	96	97	70-130	1	25
1,1-Dichloroethane	105	99	70-130	6	25
Chloroform	82	81	70-130	1	25
Carbon tetrachloride	76	77	70-130	1	25
1,2-Dichloropropane	112	110	70-130	2	25
Dibromochloromethane	78	77	70-130	1	25
1,1,2-Trichloroethane	102	102	70-130	0	25
Tetrachloroethene	92	86	70-130	7	25
Chlorobenzene	104	100	70-130	4	25
Trichlorofluoromethane	100	94	70-130	6	25
1,2-Dichloroethane	83	80	70-130	4	25
1,1,1-Trichloroethane	81	79	70-130	3	25
Bromodichloromethane	82	79	70-130	4	25
trans-1,3-Dichloropropene	94	91	70-130	3	25
cis-1,3-Dichloropropene	90	87	70-130	3	25
1,1-Dichloropropene	100	96	70-130	4	25
Bromoform	82	86	70-130	5	50
1,1,2,2-Tetrachloroethane	107	109	70-130	2	25
Benzene	109	104	70-130	5	25
Toluene	108	104	70-130	4	25
Ethylbenzene	108	104	70-130	4	25

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Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 05-07 Batch: WG258603-1 WG258603-2					
Chloromethane	117	114	70-130	3	50
Bromomethane	97	102	70-130	5	50
Vinyl chloride	96	92	70-130	4	25
Chloroethane	112	101	70-130	10	25
1,1-Dichloroethene	96	94	70-130	2	25
trans-1,2-Dichloroethene	96	93	70-130	3	25
Trichloroethene	95	92	70-130	3	25
1,2-Dichlorobenzene	103	101	70-130	2	25
1,3-Dichlorobenzene	105	103	70-130	2	25
1,4-Dichlorobenzene	104	102	70-130	2	25
Methyl tert butyl ether	86	87	70-130	1	25
p/m-Xylene	109	104	70-130	5	25
o-Xylene	107	104	70-130	3	25
cis-1,2-Dichloroethene	100	95	70-130	5	25
Dibromomethane	85	84	70-130	1	25
1,2,3-Trichloropropane	112	113	70-130	1	25
Styrene	109	105	70-130	4	25
Dichlorodifluoromethane	126	119	70-130	6	50
Acetone	81	78	70-130	4	50
Carbon disulfide	98	90	70-130	9	25
2-Butanone	87	91	70-130	4	50

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Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 05-07 Batch: WG258603-1 WG258603-2					
4-Methyl-2-pentanone	90	91	70-130	1	50
2-Hexanone	93	93	70-130	0	50
Bromochloromethane	82	80	70-130	2	25
Tetrahydrofuran	79	81	70-130	3	25
2,2-Dichloropropane	85	81	70-130	5	50
1,2-Dibromoethane	91	91	70-130	0	25
1,3-Dichloropropane	102	102	70-130	0	25
1,1,1,2-Tetrachloroethane	92	90	70-130	2	25
Bromobenzene	100	97	70-130	3	25
n-Butylbenzene	110	103	70-130	7	25
sec-Butylbenzene	110	106	70-130	4	25
tert-Butylbenzene	110	104	70-130	6	25
o-Chlorotoluene	116	110	70-130	5	25
p-Chlorotoluene	115	112	70-130	3	25
1,2-Dibromo-3-chloropropane	77	76	70-130	1	50
Hexachlorobutadiene	78	76	70-130	3	25
Isopropylbenzene	109	103	70-130	6	25
p-Isopropyltoluene	110	106	70-130	4	25
Naphthalene	88	88	70-130	0	25
n-Propylbenzene	121	116	70-130	4	25
1,2,3-Trichlorobenzene	89	88	70-130	1	25

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Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 05-07 Batch: WG258603-1 WG258603-2					
1,2,4-Trichlorobenzene	90	87	70-130	3	25
1,3,5-Trimethylbenzene	114	110	70-130	4	25
1,2,4-Trimethylbenzene	111	107	70-130	4	25
Ethyl ether	71	70	70-130	1	25
Isopropyl Ether	119	114	70-130	4	25
Ethyl-Tert-Butyl-Ether	98	100	70-130	2	25
Tertiary-Amyl Methyl Ether	95	94	70-130	1	25
1,4-Dioxane	80	81	70-130	1	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		83		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	111		110		70-130
Dibromofluoromethane	88		88		70-130

PETROLEUM HYDROCARBONS

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-01	Date Collected:	10/19/06 09:20
Client ID:	MW-100	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Anaytical Method:	61,EPH-04-1	Extraction Date:	10/26/06 10:15
Analytical Date:	10/26/06 21:40		
Analyst:	BN		

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
EPH with MS Targets					
C9-C18 Aliphatics	ND		ug/l	102	1
C19-C36 Aliphatics	ND		ug/l	102	1
C11-C22 Aromatics	176		ug/l	102	1
C11-C22 Aromatics, Adjusted	155		ug/l	102	1
Naphthalene	6.20		ug/l	0.408	1
2-Methylnaphthalene	0.963		ug/l	0.408	1
Acenaphthylene	ND		ug/l	0.408	1
Acenaphthene	3.70		ug/l	0.408	1
Fluorene	1.82		ug/l	0.408	1
Phenanthrene	2.47		ug/l	0.408	1
Anthracene	0.761		ug/l	0.408	1
Fluoranthene	2.07		ug/l	0.408	1
Pyrene	1.56		ug/l	0.408	1
Benzo(a)anthracene	0.620		ug/l	0.408	1
Chrysene	0.516		ug/l	0.408	1
Benzo(b)fluoranthene	ND		ug/l	0.408	1
Benzo(k)fluoranthene	0.472		ug/l	0.408	1
Benzo(a)pyrene	0.416		ug/l	0.200	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.408	1
Dibenzo(a,h)anthracene	ND		ug/l	0.408	1
Benzo(ghi)perylene	ND		ug/l	0.408	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-01	Date Collected:	10/19/06 09:20
Client ID:	MW-100	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

EPH with MS Targets

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	51		40-140
o-Terphenyl	73		40-140
2-Fluorobiphenyl	66		40-140
2-Bromonaphthalene	65		40-140
O-Terphenyl-MS	117		40-140

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-02	Date Collected:	10/19/06 09:35
Client ID:	GEO-2	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Anaytical Method:	61,EPH-04-1	Extraction Date:	10/23/06 09:30
Analytical Date:	10/25/06 23:06		
Analyst:	BN		

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
EPH with MS Targets					
C9-C18 Aliphatics	ND		ug/l	103	1
C19-C36 Aliphatics	ND		ug/l	103	1
C11-C22 Aromatics	221		ug/l	103	1
C11-C22 Aromatics, Adjusted	143		ug/l	103	1
Naphthalene	0.958		ug/l	0.412	1
2-Methylnaphthalene	ND		ug/l	0.412	1
Acenaphthylene	0.440		ug/l	0.412	1
Acenaphthene	3.21		ug/l	0.412	1
Fluorene	3.12		ug/l	0.412	1
Phenanthrene	9.32		ug/l	0.412	1
Anthracene	3.61		ug/l	0.412	1
Fluoranthene	11.8		ug/l	0.412	1
Pyrene	8.90		ug/l	0.412	1
Benzo(a)anthracene	6.73		ug/l	0.412	1
Chrysene	5.97		ug/l	0.412	1
Benzo(b)fluoranthene	5.75		ug/l	0.412	1
Benzo(k)fluoranthene	4.35		ug/l	0.412	1
Benzo(a)pyrene	7.52		ug/l	0.200	1
Indeno(1,2,3-cd)Pyrene	2.70		ug/l	0.412	1
Dibenzo(a,h)anthracene	0.754		ug/l	0.412	1
Benzo(ghi)perylene	2.49		ug/l	0.412	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-02	Date Collected:	10/19/06 09:35
Client ID:	GEO-2	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

EPH with MS Targets

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	46		40-140
o-Terphenyl	76		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	75		40-140
O-Terphenyl-MS	72		40-140

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-03	Date Collected:	10/19/06 09:50
Client ID:	GEO-3	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Anaytical Method:	61,EPH-04-1	Extraction Date:	10/23/06 09:30
Analytical Date:	10/25/06 23:39		
Analyst:	BN		

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
EPH with MS Targets					
C9-C18 Aliphatics	ND		ug/l	105	1
C19-C36 Aliphatics	171		ug/l	105	1
C11-C22 Aromatics	ND		ug/l	105	1
C11-C22 Aromatics, Adjusted	ND		ug/l	105	1
Naphthalene	ND		ug/l	0.421	1
2-Methylnaphthalene	ND		ug/l	0.421	1
Acenaphthylene	ND		ug/l	0.421	1
Acenaphthene	ND		ug/l	0.421	1
Fluorene	ND		ug/l	0.421	1
Phenanthrene	ND		ug/l	0.421	1
Anthracene	ND		ug/l	0.421	1
Fluoranthene	ND		ug/l	0.421	1
Pyrene	ND		ug/l	0.421	1
Benzo(a)anthracene	ND		ug/l	0.421	1
Chrysene	ND		ug/l	0.421	1
Benzo(b)fluoranthene	ND		ug/l	0.421	1
Benzo(k)fluoranthene	ND		ug/l	0.421	1
Benzo(a)pyrene	ND		ug/l	0.200	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.421	1
Dibenzo(a,h)anthracene	ND		ug/l	0.421	1
Benzo(ghi)perylene	ND		ug/l	0.421	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-03	Date Collected:	10/19/06 09:50
Client ID:	GEO-3	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

EPH with MS Targets

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	46		40-140
o-Terphenyl	74		40-140
2-Fluorobiphenyl	69		40-140
2-Bromonaphthalene	69		40-140
O-Terphenyl-MS	78		40-140

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-04	Date Collected:	10/19/06 10:15
Client ID:	MW-103	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Anaytical Method:	61,EPH-04-1	Extraction Date:	10/23/06 09:30
Analytical Date:	10/26/06 00:12		
Analyst:	BN		

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
EPH with MS Targets					
C9-C18 Aliphatics	ND		ug/l	105	1
C19-C36 Aliphatics	ND		ug/l	105	1
C11-C22 Aromatics	ND		ug/l	105	1
C11-C22 Aromatics, Adjusted	ND		ug/l	105	1
Naphthalene	ND		ug/l	0.421	1
2-Methylnaphthalene	ND		ug/l	0.421	1
Acenaphthylene	ND		ug/l	0.421	1
Acenaphthene	ND		ug/l	0.421	1
Fluorene	ND		ug/l	0.421	1
Phenanthrene	ND		ug/l	0.421	1
Anthracene	ND		ug/l	0.421	1
Fluoranthene	ND		ug/l	0.421	1
Pyrene	ND		ug/l	0.421	1
Benzo(a)anthracene	ND		ug/l	0.421	1
Chrysene	ND		ug/l	0.421	1
Benzo(b)fluoranthene	ND		ug/l	0.421	1
Benzo(k)fluoranthene	ND		ug/l	0.421	1
Benzo(a)pyrene	ND		ug/l	0.200	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.421	1
Dibenzo(a,h)anthracene	ND		ug/l	0.421	1
Benzo(ghi)perylene	ND		ug/l	0.421	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-04	Date Collected:	10/19/06 10:15
Client ID:	MW-103	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

EPH with MS Targets

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	50		40-140
o-Terphenyl	68		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	75		40-140
O-Terphenyl-MS	68		40-140

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-05 RE	Date Collected:	10/19/06 10:30
Client ID:	MW-434	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Anaytical Method:	61,EPH-04-1	Extraction Date:	10/26/06 10:15
Analytical Date:	10/26/06 22:13		
Analyst:	BN		

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
EPH with MS Targets					
C9-C18 Aliphatics	ND		ug/l	103	1
C19-C36 Aliphatics	ND		ug/l	103	1
C11-C22 Aromatics	ND		ug/l	103	1
C11-C22 Aromatics, Adjusted	ND		ug/l	103	1
Naphthalene	0.444		ug/l	0.412	1
2-Methylnaphthalene	ND		ug/l	0.412	1
Acenaphthylene	ND		ug/l	0.412	1
Acenaphthene	ND		ug/l	0.412	1
Fluorene	ND		ug/l	0.412	1
Phenanthrene	1.69		ug/l	0.412	1
Anthracene	0.466		ug/l	0.412	1
Fluoranthene	3.84		ug/l	0.412	1
Pyrene	3.21		ug/l	0.412	1
Benzo(a)anthracene	1.38		ug/l	0.412	1
Chrysene	1.39		ug/l	0.412	1
Benzo(b)fluoranthene	0.986		ug/l	0.412	1
Benzo(k)fluoranthene	1.15		ug/l	0.412	1
Benzo(a)pyrene	1.22		ug/l	0.200	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.412	1
Dibenzo(a,h)anthracene	ND		ug/l	0.412	1
Benzo(ghi)perylene	0.522		ug/l	0.412	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-05 RE	Date Collected:	10/19/06 10:30
Client ID:	MW-434	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

EPH with MS Targets

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	**21**		40-140
o-Terphenyl	51		40-140
2-Fluorobiphenyl	90		40-140
2-Bromonaphthalene	85		40-140
O-Terphenyl-MS	71		40-140

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-05	Date Collected:	10/19/06 10:30
Client ID:	MW-434	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Anaytical Method:	61,EPH-04-1	Extraction Date:	10/23/06 09:30
Analytical Date:	10/26/06 00:46		
Analyst:	BN		

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
EPH with MS Targets					
C9-C18 Aliphatics	ND		ug/l	105	1
C19-C36 Aliphatics	ND		ug/l	105.	1
C11-C22 Aromatics	ND		ug/l	105	1
C11-C22 Aromatics, Adjusted	ND		ug/l	105	1
Naphthalene	ND		ug/l	0.421	1
2-Methylnaphthalene	ND		ug/l	0.421	1
Acenaphthylene	ND		ug/l	0.421	1
Acenaphthene	ND		ug/l	0.421	1
Fluorene	ND		ug/l	0.421	1
Phenanthrene	ND		ug/l	0.421	1
Anthracene	ND		ug/l	0.421	1
Fluoranthene	ND		ug/l	0.421	1
Pyrene	ND		ug/l	0.421	1
Benzo(a)anthracene	ND		ug/l	0.421	1
Chrysene	ND		ug/l	0.421	1
Benzo(b)fluoranthene	ND		ug/l	0.421	1
Benzo(k)fluoranthene	ND		ug/l	0.421	1
Benzo(a)pyrene	ND		ug/l	0.200	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.421	1
Dibenzo(a,h)anthracene	ND		ug/l	0.421	1
Benzo(ghi)perylene	ND		ug/l	0.421	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-05	Date Collected:	10/19/06 10:30
Client ID:	MW-434	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

EPH with MS Targets

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	**18**		40-140
o-Terphenyl	**22**		40-140
2-Fluorobiphenyl	64		40-140
2-Bromonaphthalene	64		40-140
O-Terphenyl-MS	**25**		40-140

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-06	Date Collected:	10/19/06 11:15
Client ID:	H-1	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Anaytical Method:	61,EPH-04-1	Extraction Date:	10/23/06 09:30
Analytical Date:	10/26/06 01:19		
Analyst:	BN		

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
EPH with MS Targets					
C9-C18 Aliphatics	ND		ug/l	102	1
C19-C36 Aliphatics	ND		ug/l	102	1
C11-C22 Aromatics	ND		ug/l	102	1
C11-C22 Aromatics, Adjusted	ND		ug/l	102	1
Naphthalene	ND		ug/l	0.408	1
2-Methylnaphthalene	ND		ug/l	0.408	1
Acenaphthylene	ND		ug/l	0.408	1
Acenaphthene	ND		ug/l	0.408	1
Fluorene	ND		ug/l	0.408	1
Phenanthrene	ND		ug/l	0.408	1
Anthracene	ND		ug/l	0.408	1
Fluoranthene	ND		ug/l	0.408	1
Pyrene	ND		ug/l	0.408	1
Benzo(a)anthracene	ND		ug/l	0.408	1
Chrysene	ND		ug/l	0.408	1
Benzo(b)fluoranthene	ND		ug/l	0.408	1
Benzo(k)fluoranthene	ND		ug/l	0.408	1
Benzo(a)pyrene	ND		ug/l	0.200	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.408	1
Dibenzo(a,h)anthracene	ND		ug/l	0.408	1
Benzo(ghi)perylene	ND		ug/l	0.408	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-06	Date Collected:	10/19/06 11:15
Client ID:	H-1	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

EPH with MS Targets

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	63		40-140
o-Terphenyl	61		40-140
2-Fluorobiphenyl	62		40-140
2-Bromonaphthalene	61		40-140
O-Terphenyl-MS	74		40-140

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-07	Date Collected:	10/19/06 12:00
Client ID:	MW-101	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Anaytical Method:	61,EPH-04-1	Extraction Date:	10/23/06 09:30
Analytical Date:	10/26/06 01:52		
Analyst:	BN		

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
EPH with MS Targets					
C9-C18 Aliphatics	ND		ug/l	102	1
C19-C36 Aliphatics	ND		ug/l	102	1
C11-C22 Aromatics	176		ug/l	102	1
C11-C22 Aromatics, Adjusted	117		ug/l	102	1
Naphthalene	ND		ug/l	0.408	1
2-Methylnaphthalene	ND		ug/l	0.408	1
Acenaphthylene	ND		ug/l	0.408	1
Acenaphthene	ND		ug/l	0.408	1
Fluorene	ND		ug/l	0.408	1
Phenanthrene	5.41		ug/l	0.408	1
Anthracene	1.53		ug/l	0.408	1
Fluoranthene	9.11		ug/l	0.408	1
Pyrene	7.42		ug/l	0.408	1
Benzo(a)anthracene	5.37		ug/l	0.408	1
Chrysene	5.28		ug/l	0.408	1
Benzo(b)fluoranthene	7.84		ug/l	0.408	1
Benzo(k)fluoranthene	3.98		ug/l	0.408	1
Benzo(a)pyrene	6.56		ug/l	0.200	1
Indeno(1,2,3-cd)Pyrene	2.78		ug/l	0.408	1
Dibenzo(a,h)anthracene	0.737		ug/l	0.408	1
Benzo(ghi)perylene	2.57		ug/l	0.408	1

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-07	Date Collected:	10/19/06 12:00
Client ID:	MW-101	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

EPH with MS Targets

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	55		40-140
o-Terphenyl	70		40-140
2-Fluorobiphenyl	65		40-140
2-Bromonaphthalene	64		40-140
O-Terphenyl-MS	77		40-140

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 61,EPH-04-1
Analytical Date: 10/24/06 13:11
Analyst: BN

Extraction Method: EPA 3510C
Extraction Date: 10/23/06 09:30

Parameter	Result	Qualifier	Units	RDL
EPH with MS Targets for sample(s): 02-07 Batch: WG257871-1				
C9-C18 Aliphatics	ND		ug/l	100
C19-C36 Aliphatics	ND		ug/l	100
C11-C22 Aromatics	ND		ug/l	100
C11-C22 Aromatics, Adjusted	ND		ug/l	100
Naphthalene	ND		ug/l	0.400
2-Methylnaphthalene	ND		ug/l	0.400
Acenaphthylene	ND		ug/l	0.400
Acenaphthene	ND		ug/l	0.400
Fluorene	ND		ug/l	0.400
Phenanthrene	ND		ug/l	0.400
Anthracene	ND		ug/l	0.400
Fluoranthene	ND		ug/l	0.400
Pyrene	ND		ug/l	0.400
Benzo(a)anthracene	ND		ug/l	0.400
Chrysene	ND		ug/l	0.400
Benzo(b)fluoranthene	ND		ug/l	0.400
Benzo(k)fluoranthene	ND		ug/l	0.400
Benzo(a)pyrene	ND		ug/l	0.200
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400
Dibenzo(a,h)anthracene	ND		ug/l	0.400
Benzo(ghi)perylene	ND		ug/l	0.400

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	49		40-140
o-Terphenyl	74		40-140
2-Fluorobiphenyl	81		40-140
2-Bromonaphthalene	79		40-140
O-Terphenyl-MS	83		40-140

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 61,EPH-04-1
Analytical Date: 10/26/06 21:08
Analyst: BN

Extraction Method: EPA 3510C
Extraction Date: 10/26/06 10:15

Parameter	Result	Qualifier	Units	RDL
EPH with MS Targets for sample(s): 01 Batch: WG258567-1				
C9-C18 Aliphatics	ND		ug/l	100
C19-C36 Aliphatics	ND		ug/l	100
C11-C22 Aromatics	ND		ug/l	100
C11-C22 Aromatics, Adjusted	ND		ug/l	100
Naphthalene	ND		ug/l	0.400
2-Methylnaphthalene	ND		ug/l	0.400
Acenaphthylene	ND		ug/l	0.400
Acenaphthene	ND		ug/l	0.400
Fluorene	ND		ug/l	0.400
Phenanthrene	ND		ug/l	0.400
Anthracene	ND		ug/l	0.400
Fluoranthene	ND		ug/l	0.400
Pyrene	ND		ug/l	0.400
Benzo(a)anthracene	ND		ug/l	0.400
Chrysene	ND		ug/l	0.400
Benzo(b)fluoranthene	ND		ug/l	0.400
Benzo(k)fluoranthene	ND		ug/l	0.400
Benzo(a)pyrene	ND		ug/l	0.200
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400
Dibenzo(a,h)anthracene	ND		ug/l	0.400
Benzo(ghi)perylene	ND		ug/l	0.400

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	49		40-140
o-Terphenyl	63		40-140
2-Fluorobiphenyl	71		40-140
2-Bromonaphthalene	69		40-140
O-Terphenyl-MS	99		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: MCL COMPANIES
Project Number: 4442

Lab Number: L0615233
Report Date: 10/27/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
EPH with MS Targets Associated sample(s): 02-07 Batch: WG257871-2 WG257871-3					
C9-C18 Aliphatics	54	56	40-140	4	25
C19-C36 Aliphatics	65	64	40-140	2	25
C11-C22 Aromatics	91	85	40-140	7	25
Naphthalene	72	77	40-140	7	25
2-Methylnaphthalene	74	78	40-140	5	25
Acenaphthylene	95	99	40-140	4	25
Acenaphthene	81	83	40-140	2	25
Fluorene	90	88	40-140	2	25
Phenanthrene	90	88	40-140	2	25
Anthracene	113	110	40-140	3	25
Fluoranthene	108	102	40-140	6	25
Pyrene	106	104	40-140	2	25
Benzo(a)anthracene	110	111	40-140	1	25
Chrysene	81	80	40-140	1	25
Benzo(b)fluoranthene	86	86	40-140	0	25
Benzo(k)fluoranthene	100	98	40-140	2	25
Benzo(a)pyrene	97	95	40-140	2	25
Indeno(1,2,3-cd)Pyrene	85	80	40-140	6	25
Dibenzo(a,h)anthracene	84	82	40-140	2	25
Benzo(ghi)perylene	78	76	40-140	3	25
Nonane (C9)	43	47	30-140	9	25

Lab Control Sample Analysis
Batch Quality Control

Project Name: MCL COMPANIES
Project Number: 4442

Lab Number: L0615233
Report Date: 10/27/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
EPH with MS Targets Associated sample(s): 02-07 Batch: WG257871-2 WG257871-3					
Decane (C10)	51	55	40-140	8	25
Dodecane (C12)	58	59	40-140	2	25
Tetradecane (C14)	58	57	40-140	2	25
Hexadecane (C16)	59	58	40-140	2	25
Octadecane (C18)	58	58	40-140	0	25
Nonadecane (C19)	59	59	40-140	0	25
Eicosane (C20)	61	61	40-140	0	25
Docosane (C22)	64	63	40-140	2	25
Tetracosane (C24)	66	66	40-140	0	25
Hexacosane (C26)	67	66	40-140	2	25
Octacosane (C28)	68	68	40-140	0	25
Triacontane (C30)	69	69	40-140	0	25
Hexatriacontane (C36)	71	72	40-140	1	25

Lab Control Sample Analysis
Batch Quality Control

Project Name: MCL COMPANIES
Project Number: 4442
Lab Number: L0615233
Report Date: 10/27/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
EPH with MS Targets Associated sample(s): 02-07 Batch: WG257871-2 WG257871-3					

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	49		49		40-140
o-Terphenyl	102		94		40-140
2-Fluorobiphenyl	87		85		40-140
2-Bromonaphthalene	89		87		40-140
O-Terphenyl-MS	89		90		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

EPH with MS Targets Associated sample(s): 01 Batch: WG258567-2 WG258567-3					
C9-C18 Aliphatics	56	70	40-140	22	25
C19-C36 Aliphatics	75	88	40-140	16	25
C11-C22 Aromatics	70	71	40-140	1	25
Naphthalene	70	62	40-140	12	25
2-Methylnaphthalene	68	63	40-140	8	25
Acenaphthylene	86	82	40-140	5	25
Acenaphthene	80	75	40-140	6	25
Fluorene	90	85	40-140	6	25
Phenanthrene	91	84	40-140	8	25

Lab Control Sample Analysis
Batch Quality Control

Project Name: MCL COMPANIES
Project Number: 4442

Lab Number: L0615233
Report Date: 10/27/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
EPH with MS Targets Associated sample(s): 01 Batch: WG258567-2 WG258567-3					
Anthracene	114	104	40-140	9	25
Fluoranthene	103	97	40-140	6	25
Pyrene	96	94	40-140	2	25
Benzo(a)anthracene	110	104	40-140	6	25
Chrysene	111	108	40-140	3	25
Benzo(b)fluoranthene	105	102	40-140	3	25
Benzo(k)fluoranthene	85	87	40-140	2	25
Benzo(a)pyrene	91	84	40-140	8	25
Indeno(1,2,3-cd)Pyrene	101	97	40-140	4	25
Dibenzo(a,h)anthracene	98	94	40-140	4	25
Benzo(ghi)perylene	92	88	40-140	4	25
Nonane (C9)	40	49	30-140	20	25
Decane (C10)	48	60	40-140	22	25
Dodecane (C12)	56	70	40-140	22	25
Tetradecane (C14)	57	72	40-140	23	25
Hexadecane (C16)	60	78	40-140	**26**	25
Octadecane (C18)	63	80	40-140	24	25
Nonadecane (C19)	66	84	40-140	24	25
Eicosane (C20)	68	85	40-140	22	25
Docosane (C22)	72	88	40-140	20	25
Tetracosane (C24)	78	93	40-140	18	25

Lab Control Sample Analysis
Batch Quality Control

Project Name: MCL COMPANIES
Project Number: 4442
Lab Number: L0615233
Report Date: 10/27/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
EPH with MS Targets Associated sample(s): 01 Batch: WG258567-2 WG258567-3					
Hexacosane (C26)	76	89	40-140	16	25
Octacosane (C28)	78	89	40-140	13	25
Triacontane (C30)	79	88	40-140	11	25
Hexatriacontane (C36)	83	88	40-140	6	25

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	58		73		40-140
o-Terphenyl	77		82		40-140
2-Fluorobiphenyl	62		67		40-140
2-Bromonaphthalene	63		67		40-140
O-Terphenyl-MS	86		85		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Fractionation Check Standard
Quality Control

Fractionation check standard for FISH52618

Parameter	% Recovery	QC Criteria
C9-C18 Aliphatics	62	40-140
C19-C36 Aliphatics	71	40-140
C11-C22 Aromatics	80	40-140
Naphthalene	74	40-140
2-Methylnaphthalene	70	40-140
Acenaphthylene	69	40-140
Acenaphthene	72	40-140
Fluorene	72	40-140
Phenanthrene	72	40-140
Anthracene	77	40-140
Fluoranthene	75	40-140
Pyrene	75	40-140
Benzo(a)anthracene	74	40-140
Chrysene	88	40-140
Benzo(b)fluoranthene	72	40-140
Benzo(k)fluoranthene	74	40-140
Benzo(a)pyrene	73	40-140
Indeno(1,2,3-cd)Pyrene	72	40-140
Dibenzo(a,h)anthracene	73	40-140
Benzo(g,h,i)perylene	73	40-140
Nonane	57	30-140
Decane	62	40-140
Dodecane	65	40-140
Tetradecane	63	40-140
Hexadecane	64	40-140
Octadecane	64	40-140
Nonadecane	64	40-140
Eicosane	67	40-140
Docosane	71	40-140
Tetracosane	72	40-140
Hexacosane	72	40-140
Octacosane	73	40-140
Triacontane	73	40-140
Hexatriacontane	76	40-140

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Fractionation Check Standard
Quality Control

Fractionation check standard for FISH52618

Surrogate	% Recovery	QC Criteria
Chloro-Octadecane	57	40-140
o-Terphenyl	78	40-140
2-Fluorobiphenyl	72	40-140
2-Bromonaphthalene	72	40-140

METALS

Project Name:	MCL COMPANIES	**Lab Number:**	L0615233
Project Number:	4442	**Report Date:**	10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-04	Date Collected:	10/19/06 10:15
Client ID:	MW-103	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by MCP 6000/7000 series										
Arsenic, Total	0.186		mg/l	0.005	1	10/24/06 18:00	10/25/06 19:06	EPA 3005A	60,6010B	AI
Barium, Total	1.5		mg/l	0.01	1	10/24/06 18:00	10/25/06 19:06	EPA 3005A	60,6010B	AI
Cadmium, Total	0.007		mg/l	0.004	1	10/24/06 18:00	10/25/06 19:06	EPA 3005A	60,6010B	AI
Chromium, Total	0.18		mg/l	0.01	1	10/24/06 18:00	10/25/06 19:06	EPA 3005A	60,6010B	AI
Lead, Total	1.08		mg/l	0.010	1	10/24/06 18:00	10/25/06 19:06	EPA 3005A	60,6010B	AI
Mercury, Total	0.0088		mg/l	0.0002	1	10/24/06 15:50	10/25/06 16:14	EPA 7470A	64,7470A	DM
Selenium, Total	ND		mg/l	0.010	1	10/24/06 18:00	10/25/06 19:06	EPA 3005A	60,6010B	AI
Silver, Total	ND		mg/l	0.007	1	10/24/06 18:00	10/25/06 19:06	EPA 3005A	60,6010B	AI

Project Name:	MCL COMPANIES	**Lab Number:**	L0615233
Project Number:	4442	**Report Date:**	10/27/06

SAMPLE RESULTS

Lab ID:	L0615233-05	Date Collected:	10/19/06 10:30
Client ID:	MW-434	Date Received:	10/20/06
Sample Location:	S. BOSTON	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by MCP 6000/7000 series										
Arsenic, Total	0.564		mg/l	0.005	1	10/24/06 18:00	10/25/06 19:10	EPA 3005A	60,6010B	AI
Barium, Total	3.8		mg/l	0.01	1	10/24/06 18:00	10/25/06 19:10	EPA 3005A	60,6010B	AI
Cadmium, Total	0.015		mg/l	0.004	1	10/24/06 18:00	10/25/06 19:10	EPA 3005A	60,6010B	AI
Chromium, Total	0.41		mg/l	0.01	1	10/24/06 18:00	10/25/06 19:10	EPA 3005A	60,6010B	AI
Lead, Total	3.85		mg/l	0.010	1	10/24/06 18:00	10/25/06 19:10	EPA 3005A	60,6010B	AI
Mercury, Total	>0.010		mg/l	.0002	1	10/24/06 15:50	10/25/06 16:15	EPA 7470A	64,7470A	DM
Mercury, Total	0.0136		mg/l	0.0004	2	10/24/06 15:50	10/25/06 16:22	EPA 7470A	64,7470A	DM
Selenium, Total	ND		mg/l	0.010	1	10/24/06 18:00	10/25/06 19:10	EPA 3005A	60,6010B	AI
Silver, Total	ND		mg/l	0.007	1	10/24/06 18:00	10/25/06 19:10	EPA 3005A	60,6010B	AI

Project Name: MCL COMPANIES **Lab Number:** L0615233

Project Number: 4442 **Report Date:** 10/27/06

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals by MCP 6000/7000 series for sample(s): 04-05 Batch: WG258111-1									
Mercury, Total	ND		mg/l	0.0002	1	10/24/06 15:50	10/25/06 15:46	64,7470A	DM

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals by MCP 6000/7000 series for sample(s): 04-05 Batch: WG258139-1									
Arsenic, Total	ND		mg/l	0.005	1	10/24/06 18:00	10/25/06 18:01	60,6010B	AI
Barium, Total	ND		mg/l	0.01	1	10/24/06 18:00	10/25/06 18:01	60,6010B	AI
Cadmium, Total	ND		mg/l	0.004	1	10/24/06 18:00	10/25/06 18:01	60,6010B	AI
Chromium, Total	ND		mg/l	0.01	1	10/24/06 18:00	10/25/06 18:01	60,6010B	AI
Lead, Total	ND		mg/l	0.010	1	10/24/06 18:00	10/25/06 18:01	60,6010B	AI
Selenium, Total	ND		mg/l	0.010	1	10/24/06 18:00	10/26/06 10:33	60,6010B	AI
Silver, Total	ND		mg/l	0.007	1	10/24/06 18:00	10/25/06 18:01	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: MCL COMPANIES
Project Number: 4442
Lab Number: L0615233
Report Date: 10/27/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals by MCP 6000/7000 series Associated sample(s): 04-05 Batch: WG258111-2 WG258111-3					
Mercury, Total	104	105	80-120	1	20
Total Metals by MCP 6000/7000 series Associated sample(s): 04-05 Batch: WG258139-2 WG258139-3					
Arsenic, Total	103	103	80-120	0	20
Barium, Total	95	95	80-120	0	20
Cadmium, Total	102	101	80-120	1	20
Chromium, Total	95	90	80-120	5	20
Lead, Total	99	98	80-120	1	20
Selenium, Total	107	108	80-120	1	20
Silver, Total	94	95	80-120	1	20

Project Name: MCL COMPANIES
Project Number: 4442

Lab Number: L0615233
Report Date: 10/27/06

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0615233-01A	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04
L0615233-01B	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04
L0615233-01C	Amber 1000ml HCl preserved	A	<2	2.9 C	Y	Absent	EPH-MS,EPHD-GC-04
L0615233-01D	Amber 1000ml HCl preserved	A	<2	2.9 C	Y	Absent	EPH-MS,EPHD-GC-04
L0615233-02A	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04
L0615233-02B	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04
L0615233-02C	Amber 1000ml HCl preserved	A	<2	2.9 C	Y	Absent	EPH-MS,EPHD-GC-04
L0615233-02D	Amber 1000ml HCl preserved	A	<2	2.9 C	Y	Absent	EPH-MS,EPHD-GC-04
L0615233-03A	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04
L0615233-03B	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04
L0615233-03C	Amber 1000ml HCl preserved	A	<2	2.9 C	Y	Absent	EPH-MS,EPHD-GC-04
L0615233-03D	Amber 1000ml HCl preserved	A	<2	2.9 C	Y	Absent	EPH-MS,EPHD-GC-04
L0615233-04A	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04
L0615233-04B	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04
L0615233-04C	Amber 1000ml HCl preserved	A	<2	2.9 C	Y	Absent	EPH-MS,EPHD-GC-04
L0615233-04D	Amber 1000ml HCl preserved	A	<2	2.9 C	Y	Absent	EPH-MS,EPHD-GC-04
L0615233-04M	Plastic 500ml HNO3 preserved	A	<2	2.9 C	Y	Absent	MCP-7470T,MCP-AG-6010T,MCP-AS-6010T,MCP-BA-6010T,MCP-CD-6010T,MCP-CR-6010T,MCP-PB-6010T,MCP-SE-6010T
L0615233-05A	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04
L0615233-05B	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04
L0615233-05C	Amber 1000ml HCl preserved	A	<2	2.9 C	Y	Absent	EPH-MS,EPHD-GC-04
L0615233-05D	Amber 1000ml HCl preserved	A	<2	2.9 C	Y	Absent	EPH-MS,EPHD-GC-04
L0615233-05M	Plastic 500ml HNO3 preserved	A	<2	2.9 C	Y	Absent	MCP-7470T,MCP-AG-6010T,MCP-AS-6010T,MCP-BA-6010T,MCP-CD-6010T,MCP-CR-6010T,MCP-PB-6010T,MCP-SE-6010T
L0615233-06A	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04
L0615233-06B	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04
L0615233-06C	Amber 1000ml HCl preserved	A	<2	2.9 C	Y	Absent	EPH-MS,EPHD-GC-04
L0615233-06D	Amber 1000ml HCl preserved	A	<2	2.9 C	Y	Absent	EPH-MS,EPHD-GC-04

Project Name: MCL COMPANIES
Project Number: 4442

Lab Number: L0615233
Report Date: 10/27/06

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0615233-07A	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04
L0615233-07B	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04
L0615233-07C	Amber 1000ml HCl preserved	A	<2	2.9 C	Y	Absent	EPH-MS,EPHD-GC-04
L0615233-07D	Amber 1000ml HCl preserved	A	<2	2.9 C	Y	Absent	EPH-MS,EPHD-GC-04
L0615233-08A	Vial HCl preserved	A	N/A	2.9 C	Y	Absent	MCP-8260-04

Project Name:	MCL COMPANIES	**Lab Number:**	L0615233
Project Number:	4442	**Report Date:**	10/27/06

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

ND - Not detected at the reported detection limit for the sample.

RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

The following data qualifiers have been identified for use under the CT DEP Reasonable Confidence Protocols.

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Report Format: Not Specified

Project Name: MCL COMPANIES **Lab Number:** L0615233
Project Number: 4442 **Report Date:** 10/27/06

REFERENCES

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

61 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH). Massachusetts Department of Environmental Protection, DEA/ORS/BWSC. May 2004, Revision 1.1.

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

LIMITATION OF LIABILITIES

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

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

10270616:22

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA WOODS HOLE LABS

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

RAYNHAM, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/20

ALPHA Job #: L0615233

Client Information

Client: GeoInsight, Inc

Address: 25 Sundial Ave Ste 515W

Phone: 603-314-0820

Fax: 603-314-0821

Email: WJGraham@geo.net.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: MCL Companies

Project Location: S. Boston

Project #: 4442

Project Manager: Bill Graham

ALPHA Quote #:

Turn-Around Time

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

Date Due: 10/27 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

* Total Metals Please Bill Directly to: Charles Landefeld
MCL Companies
455 East Illinois Ave, Ste 565
Chicago, IL 60611

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260B	EPH	Metals*							Sample Specific Comments	Total # Bottles
5233.1	MW-100	10/14/06	9:20	water	MRF	✓	✓									4
2	Geo-2	10/14/06	9:35	"	"	✓	✓									4
3	Geo-3	10/14/06	9:50	"	"	✓	✓									4
4	MW-103	10/14/06	10:15	"	"	✓	✓	✓								5
5	MW-434	10/14/06	10:30	"	"	✓	✓	✓								5
6	H-1	10/14/06	11:15	"	"	✓	✓									4
7	MW-101	10/14/06	12:00	"	"	✓	✓									4
8	Trip Blank	—	—	"	—	✓										

Container Type	G	G	P													
Preservative	HCL	HCL	HNO3													

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	10/14/06 14:30	[illegible]	10/14/06 14:30
[illegible]	10/20/06 15:00	[illegible]	10-20-06
[illegible]	10/20 1700	[illegible]	10/20 1700

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

FORM NO. 01-01 (rev. 10-OCT-05)

Absolute Resource associates
124 Heritage Avenue #10 Portsmouth, NH 03801

Todd Piskovitz
GeoInsight, Inc.
186 Granite Street
3rd Floor, Suite A
Manchester, NH 03103

PO Number: None
Job ID: 21983
Date Received: 7/13/11

Project: South Boston 6371-000

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Absolute Resource Associates maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Absolute Resource Associates

(for)

Sue Sylvester
Principal, General Manager

Date of Approval: 8/3/2011
Total number of pages: 40

Absolute Resource Associates Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: South Boston 6371-000
Lab ID: 21983

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
H-3	Water	7/12/2011 9:00	21983-001	
				EPH in water by MADEP Method
H-4	Water	7/12/2011 9:25	21983-002	
				EPH in water by MADEP Method
				Lead in water by 6010
				VPH in water by MA DEP Method
GEO-2	Water	7/12/2011 12:05	21983-003	
				EPH in water by MADEP Method
				Lead in water by 6010
GEO-3	Water	7/12/2011 12:45	21983-004	
				Lead in water by 6010
				VOCs in water by 8260
GEO-5	Water	7/12/2011 9:50	21983-005	
				EPH in water by MADEP Method
				Lead in water by 6010
				VPH in water by MA DEP Method
MW-103	Water	7/12/2011 10:25	21983-006	
				Lead in water by 6010
MW-104	Water	7/12/2011 10:45	21983-007	
				EPH in water by MADEP Method
				VPH in water by MA DEP Method
MW-201	Water	7/12/2011 11:15	21983-008	
				EPH in water by MADEP Method
				Lead in water by 6010
MW-202	Water	7/12/2011 11:30	21983-009	
				EPH in water by MADEP Method
				Lead in water by 6010
MW-204	Water	7/12/2011 13:20	21983-010	
				EPH in water by MADEP Method
				Lead in water by 6010
				VOCs in water by 8260
GEO/MW-100	Water	7/12/2011 12:20	21983-011	
				Lead in water by 6010
Trip Blank	Water	7/12/2011 0:00	21983-012	
				VOCs in water by 8260

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-004
Sample ID: GEO-3
Matrix: Water
Received on ice at 1˚C, in satisfactory condition.
Sampled: 7/12/11 12:45

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
diethyl ether	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
acetone	< 10	10	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
methylene chloride	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
t-butanol (TBA)	< 30	30	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
tetrahydrofuran (THF)	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
tetrachloroethene	**3**	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-004
Sample ID: GEO-3
Matrix: Water
Received on ice at 1˚C, in satisfactory condition.
Sampled: 7/12/11 12:45

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
dibromochloromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
naphthalene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**96**	78-114	%	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
toluene-D8 SUR	**97**	88-110	%	1	LMM		1101463	7/20/11	20:04	SW5030B8260B
4-bromofluorobenzene SUR	**92**	86-115	%	1	LMM		1101463	7/20/11	20:04	SW5030B8260B

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-010
Sample ID: MW-204
Matrix: Water
Received on ice at 1˚C, in satisfactory condition.
Sampled: 7/12/11 13:20

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
diethyl ether	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
acetone	< 10	10	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
methylene chloride	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
t-butanol (TBA)	< 30	30	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
tetrahydrofuran (THF)	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-010
Sample ID: MW-204
Matrix: Water
Received on ice at 1˚C, in satisfactory condition.
Sampled: 7/12/11 13:20

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
dibromochloromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
naphthalene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**97**	78-114	%	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
toluene-D8 SUR	**97**	88-110	%	1	LMM		1101463	7/20/11	19:32	SW5030B8260B
4-bromofluorobenzene SUR	**88**	86-115	%	1	LMM		1101463	7/20/11	19:32	SW5030B8260B

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-012
Sample ID: Trip Blank
Matrix: Water
Received on ice at 1˚C, in satisfactory condition.
Sampled: 7/12/11 0:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
diethyl ether	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
acetone	< 10	10	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
methylene chloride	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
t-butanol (TBA)	< 30	30	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
tetrahydrofuran (THF)	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-012
Sample ID: Trip Blank
Matrix: Water
Received on ice at 1˚C, in satisfactory condition.
Sampled: 7/12/11 0:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
dibromochloromethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
naphthalene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**97**	78-114	%	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
toluene-D8 SUR	**97**	88-110	%	1	LMM		1101463	7/20/11	18:29	SW5030B8260B
4-bromofluorobenzene SUR	**94**	86-115	%	1	LMM		1101463	7/20/11	18:29	SW5030B8260B

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-002
Sample ID: H-4
Matrix: Water
Received on ice at 1˚C, in satisfactory condition.
Sampled: 7/12/11 9:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Unadjusted C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1101491	7/21/11	11:23	MA VPH
Unadjusted C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1101491	7/21/11	11:23	MA VPH
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1101491	7/21/11	11:23	MA VPH
benzene	< 1	1	ug/L	1	LMM		1101491	7/21/11	11:23	MA VPH
toluene	< 2	2	ug/L	1	LMM		1101491	7/21/11	11:23	MA VPH
ethylbenzene	< 2	2	ug/L	1	LMM		1101491	7/21/11	11:23	MA VPH
m&p-xylenes	< 2	2	ug/L	1	LMM		1101491	7/21/11	11:23	MA VPH
o-xylene	< 2	2	ug/L	1	LMM		1101491	7/21/11	11:23	MA VPH
naphthalene	< 5	5	ug/L	1	LMM		1101491	7/21/11	11:23	MA VPH
C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1101491	7/21/11	11:23	MA VPH
C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1101491	7/21/11	11:23	MA VPH
C9-C10 Aromatics	< 100	100	ug/L	1	LMM		1101491	7/21/11	11:23	MA VPH
Surrogate Recovery		**Limits**								
2,5-dibromotoluene as Aromatic SUR	**97**	70-130	%	1	LMM		1101491	7/21/11	11:23	MA VPH
2,5-dibromotoluene as Aliphatic SUR	**97**	70-130	%	1	LMM		1101491	7/21/11	11:23	MA VPH

Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in that range.
C9-C12 Aliphatic Hydrocarbons exclude concentration of target analytes eluting in that range AND C9-C10 Aromatics.

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-005
Sample ID: GEO-5
Matrix: Water
Received on ice at 1˚C, in satisfactory condition.
Sampled: 7/12/11 9:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Unadjusted C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1101491	7/21/11	11:58	MA VPH
Unadjusted C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1101491	7/21/11	11:58	MA VPH
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1101491	7/21/11	11:58	MA VPH
benzene	< 1	1	ug/L	1	LMM		1101491	7/21/11	11:58	MA VPH
toluene	< 2	2	ug/L	1	LMM		1101491	7/21/11	11:58	MA VPH
ethylbenzene	< 2	2	ug/L	1	LMM		1101491	7/21/11	11:58	MA VPH
m&p-xylenes	< 2	2	ug/L	1	LMM		1101491	7/21/11	11:58	MA VPH
o-xylene	< 2	2	ug/L	1	LMM		1101491	7/21/11	11:58	MA VPH
naphthalene	< 5	5	ug/L	1	LMM		1101491	7/21/11	11:58	MA VPH
C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1101491	7/21/11	11:58	MA VPH
C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1101491	7/21/11	11:58	MA VPH
C9-C10 Aromatics	< 100	100	ug/L	1	LMM		1101491	7/21/11	11:58	MA VPH
Surrogate Recovery		**Limits**								
2,5-dibromotoluene as Aromatic SUR	**98**	70-130	%	1	LMM		1101491	7/21/11	11:58	MA VPH
2,5-dibromotoluene as Aliphatic SUR	**99**	70-130	%	1	LMM		1101491	7/21/11	11:58	MA VPH

Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in that range.
C9-C12 Aliphatic Hydrocarbons exclude concentration of target analytes eluting in that range AND C9-C10 Aromatics.

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-007
Sample ID: MW-104
Matrix: Water
Received on ice at 1˚C, in satisfactory condition.
Sampled: 7/12/11 10:45

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Unadjusted C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1101491	7/21/11	12:32	MA VPH
Unadjusted C9-C12 Aliphatics	**190**	100	ug/L	1	LMM		1101491	7/21/11	12:32	MA VPH
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1101491	7/21/11	12:32	MA VPH
benzene	< 1	1	ug/L	1	LMM		1101491	7/21/11	12:32	MA VPH
toluene	< 2	2	ug/L	1	LMM		1101491	7/21/11	12:32	MA VPH
ethylbenzene	< 2	2	ug/L	1	LMM		1101491	7/21/11	12:32	MA VPH
m&p-xylenes	< 2	2	ug/L	1	LMM		1101491	7/21/11	12:32	MA VPH
o-xylene	< 2	2	ug/L	1	LMM		1101491	7/21/11	12:32	MA VPH
naphthalene	< 5	5	ug/L	1	LMM		1101491	7/21/11	12:32	MA VPH
C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1101491	7/21/11	12:32	MA VPH
C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1101491	7/21/11	12:32	MA VPH
C9-C10 Aromatics	< 100	100	ug/L	1	LMM		1101491	7/21/11	12:32	MA VPH
Surrogate Recovery		**Limits**								
2,5-dibromotoluene as Aromatic SUR	**98**	70-130	%	1	LMM		1101491	7/21/11	12:32	MA VPH
2,5-dibromotoluene as Aliphatic SUR	**102**	70-130	%	1	LMM		1101491	7/21/11	12:32	MA VPH

Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in that range.
C9-C12 Aliphatic Hydrocarbons exclude concentration of target analytes eluting in that range AND C9-C10 Aromatics.

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-001
Sample ID: H-3
Matrix: Water
Sampled: 7/12/11 9:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
phenanthrene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
acenaphthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
fluorene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
fluoranthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
pyrene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
benzo(a)anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
chrysene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
benzo(b)fluoranthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
benzo(k)fluoranthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
benzo(a)pyrene	< 0.2	0.2	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
dibenzo(a,h)anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
benzo(g,h,i)perylene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	3:07	MA EPH
Unadjusted C11-C22 Aromatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/19/11	0:18	MA EPH
C9-C18 Aliphatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/22/11	19:12	MA EPH
C19-C36 Aliphatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/22/11	19:12	MA EPH
C11-C22 Aromatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/19/11	0:18	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**80**	40-140	%	1	JLZ	7/14/11	4354	7/22/11	19:12	MA EPH
o-terphenyl SUR	**86**	40-140	%	1	JLZ	7/14/11	4354	7/19/11	0:18	MA EPH
2-fluorobiphenyl SUR	**N/A**	40-140	%	1	JLZ	7/14/11	4354	7/19/11	0:18	MA EPH
2-bromonaphthalene SUR	**N/A**	40-140	%	1	JLZ	7/14/11	4354	7/19/11	0:18	MA EPH

Note: No ranges were detected above the method reporting limit; therefore fractionation was not required.

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-002
Sample ID: H-4
Matrix: Water
Sampled: 7/12/11 9:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
phenanthrene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
acenaphthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
fluorene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
fluoranthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
pyrene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
benzo(a)anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
chrysene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
benzo(b)fluoranthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
benzo(k)fluoranthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
benzo(a)pyrene	< 0.2	0.2	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
dibenzo(a,h)anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
benzo(g,h,i)perylene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	6:53	MA EPH
Unadjusted C11-C22 Aromatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/19/11	0:41	MA EPH
C9-C18 Aliphatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/22/11	19:31	MA EPH
C19-C36 Aliphatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/22/11	19:31	MA EPH
C11-C22 Aromatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/19/11	0:41	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**80**	40-140	%	1	JLZ	7/14/11	4354	7/22/11	19:31	MA EPH
o-terphenyl SUR	**101**	40-140	%	1	JLZ	7/14/11	4354	7/19/11	0:41	MA EPH
2-fluorobiphenyl SUR	**N/A**	40-140	%	1	JLZ	7/14/11	4354	7/19/11	0:41	MA EPH
2-bromonaphthalene SUR	**N/A**	40-140	%	1	JLZ	7/14/11	4354	7/19/11	0:41	MA EPH

Note: No ranges were detected above the method reporting limit; therefore fractionation was not required.

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-003
Sample ID: GEO-2
Matrix: Water
Sampled: 7/12/11 12:05

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	**2.9**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
2-methylnaphthalene	**6.1**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
phenanthrene	**16**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
acenaphthene	**2.5**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
acenaphthylene	**0.8**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
fluorene	**4.1**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
anthracene	**4.6**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
fluoranthene	**27**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
pyrene	**23**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
benzo(a)anthracene	**14**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
chrysene	**13**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
benzo(b)fluoranthene	**12**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
benzo(k)fluoranthene	**6.8**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
benzo(a)pyrene	**12**	0.2	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
indeno(1,2,3-cd)pyrene	**5.4**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
dibenzo(a,h)anthracene	**2.8**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
benzo(g,h,i)perylene	**5.2**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	10:40	MA EPH
Unadjusted C11-C22 Aromatics	**730**	100	ug/L	1	JLZ	7/14/11	4354	7/29/11	15:03	MA EPH
C9-C18 Aliphatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/28/11	5:57	MA EPH
C19-C36 Aliphatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/28/11	5:57	MA EPH
C11-C22 Aromatics	**570**	100	ug/L	1	JLZ	7/14/11	4354	7/29/11	15:03	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**27** *	40-140	%	1	JLZ	7/14/11	4354	7/28/11	5:57	MA EPH
o-terphenyl SUR	**33** *	40-140	%	1	JLZ	7/14/11	4354	7/29/11	15:03	MA EPH
2-fluorobiphenyl SUR	**87**	40-140	%	1	JLZ	7/14/11	4354	7/29/11	15:03	MA EPH
2-bromonaphthalene SUR	**84**	40-140	%	1	JLZ	7/14/11	4354	7/29/11	15:03	MA EPH

**** This surrogate is low due to heavy emulsion formation during extraction. No additional sample remains for re-analysis.***

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-005
Sample ID: GEO-5
Matrix: Water
Sampled: 7/12/11 9:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
phenanthrene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
acenaphthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
fluorene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
fluoranthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
pyrene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
benzo(a)anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
chrysene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
benzo(b)fluoranthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
benzo(k)fluoranthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
benzo(a)pyrene	< 0.2	0.2	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
dibenzo(a,h)anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
benzo(g,h,i)perylene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:09	MA EPH
Unadjusted C11-C22 Aromatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/19/11	1:05	MA EPH
C9-C18 Aliphatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/22/11	19:49	MA EPH
C19-C36 Aliphatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/22/11	19:49	MA EPH
C11-C22 Aromatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/19/11	1:05	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**71**	40-140	%	1	JLZ	7/14/11	4354	7/22/11	19:49	MA EPH
o-terphenyl SUR	**104**	40-140	%	1	JLZ	7/14/11	4354	7/19/11	1:05	MA EPH
2-fluorobiphenyl SUR	**N/A**	40-140	%	1	JLZ	7/14/11	4354	7/19/11	1:05	MA EPH
2-bromonaphthalene SUR	**N/A**	40-140	%	1	JLZ	7/14/11	4354	7/19/11	1:05	MA EPH

Note: No ranges were detected above the method reporting limit; therefore fractionation was not required.

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-007
Sample ID: MW-104
Matrix: Water
Sampled: 7/12/11 10:45

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
phenanthrene	**1.3**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
acenaphthene	**1.0**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
fluorene	**0.9**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
fluoranthene	**1.6**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
pyrene	**1.5**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
benzo(a)anthracene	**0.8**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
chrysene	**0.9**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
benzo(b)fluoranthene	**0.7**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
benzo(k)fluoranthene	**0.6**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
benzo(a)pyrene	**0.8**	0.2	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
dibenzo(a,h)anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
benzo(g,h,i)perylene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	8:47	MA EPH
Unadjusted C11-C22 Aromatics	**180**	100	ug/L	1	JLZ	7/14/11	4354	7/26/11	20:36	MA EPH
C9-C18 Aliphatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/22/11	23:13	MA EPH
C19-C36 Aliphatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/22/11	23:13	MA EPH
C11-C22 Aromatics	**160**	100	ug/L	1	JLZ	7/14/11	4354	7/26/11	20:36	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**64**	40-140	%	1	JLZ	7/14/11	4354	7/22/11	23:13	MA EPH
o-terphenyl SUR	**65**	40-140	%	1	JLZ	7/14/11	4354	7/26/11	20:36	MA EPH
2-fluorobiphenyl SUR	**89**	40-140	%	1	JLZ	7/14/11	4354	7/26/11	20:36	MA EPH
2-bromonaphthalene SUR	**90**	40-140	%	1	JLZ	7/14/11	4354	7/26/11	20:36	MA EPH

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-008
Sample ID: MW-201
Matrix: Water
Sampled: 7/12/11 11:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	**0.9**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
2-methylnaphthalene	**0.7**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
phenanthrene	**14**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
acenaphthene	**0.8**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
fluorene	**1.3**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
anthracene	**3.0**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
fluoranthene	**18**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
pyrene	**15**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
benzo(a)anthracene	**8.5**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
chrysene	**8.7**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
benzo(b)fluoranthene	**6.6**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
benzo(k)fluoranthene	**4.6**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
benzo(a)pyrene	**6.9**	0.2	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
indeno(1,2,3-cd)pyrene	**3.2**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
dibenzo(a,h)anthracene	**1.5**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
benzo(g,h,i)perylene	**3.2**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	11:18	MA EPH
Unadjusted C11-C22 Aromatics	**500**	100	ug/L	1	JLZ	7/14/11	4354	7/26/11	20:59	MA EPH
C9-C18 Aliphatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/22/11	23:31	MA EPH
C19-C36 Aliphatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/22/11	23:31	MA EPH
C11-C22 Aromatics	**400**	100	ug/L	1	JLZ	7/14/11	4354	7/26/11	20:59	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**10** *	40-140	%	1	JLZ	7/14/11	4354	7/22/11	23:31	MA EPH
o-terphenyl SUR	**12** *	40-140	%	1	JLZ	7/14/11	4354	7/26/11	20:59	MA EPH
2-fluorobiphenyl SUR	**96**	40-140	%	1	JLZ	7/14/11	4354	7/26/11	20:59	MA EPH
2-bromonaphthalene SUR	**95**	40-140	%	1	JLZ	7/14/11	4354	7/26/11	20:59	MA EPH

**** This surrogate is low due to heavy emulsion formation during extraction. No additional sample remains for re-analysis.***

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-009
Sample ID: MW-202
Matrix: Water
Sampled: 7/12/11 11:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
phenanthrene	**1.8**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
acenaphthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
fluorene	**0.5**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
fluoranthene	**1.3**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
pyrene	**2.6**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
benzo(a)anthracene	**0.6**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
chrysene	**1.0**	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
benzo(b)fluoranthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
benzo(k)fluoranthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
benzo(a)pyrene	**0.5**	0.2	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
dibenzo(a,h)anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
benzo(g,h,i)perylene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	9:24	MA EPH
Unadjusted C11-C22 Aromatics	**2400**	200	ug/L	2	JLZ	7/14/11	4354	7/29/11	15:42	MA EPH
C9-C18 Aliphatics	**530**	100	ug/L	1	JLZ	7/14/11	4354	7/28/11	6:53	MA EPH
C19-C36 Aliphatics	**5100**	100	ug/L	1	JLZ	7/14/11	4354	7/28/11	6:53	MA EPH
C11-C22 Aromatics	**2400**	200	ug/L	2	JLZ	7/14/11	4354	7/29/11	15:42	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**42**	40-140	%	1	JLZ	7/14/11	4354	7/28/11	6:53	MA EPH
o-terphenyl SUR	**38** *	40-140	%	2	JLZ	7/14/11	4354	7/29/11	15:42	MA EPH
2-fluorobiphenyl SUR	**79**	40-140	%	2	JLZ	7/14/11	4354	7/29/11	15:42	MA EPH
2-bromonaphthalene SUR	**80**	40-140	%	2	JLZ	7/14/11	4354	7/29/11	15:42	MA EPH

**** The surrogate showed recovery outside the acceptance limits as a result of co-eluting hydrocarbons. The chromatogram is included for reference.***

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983
Sample#: 21983-010
Sample ID: MW-204
Matrix: Water
Sampled: 7/12/11 13:20

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
phenanthrene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
acenaphthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
fluorene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
fluoranthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
pyrene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
benzo(a)anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
chrysene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
benzo(b)fluoranthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
benzo(k)fluoranthene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
benzo(a)pyrene	< 0.2	0.2	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
dibenzo(a,h)anthracene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
benzo(g,h,i)perylene	< 0.5	0.5	ug/L	1	AJD	7/14/11	4354	7/19/11	7:31	MA EPH
Unadjusted C11-C22 Aromatics	**190**	100	ug/L	1	JLZ	7/14/11	4354	7/26/11	17:55	MA EPH
C9-C18 Aliphatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/22/11	23:50	MA EPH
C19-C36 Aliphatics	< 100	100	ug/L	1	JLZ	7/14/11	4354	7/22/11	23:50	MA EPH
C11-C22 Aromatics	**190**	100	ug/L	1	JLZ	7/14/11	4354	7/26/11	17:55	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**55**	40-140	%	1	JLZ	7/14/11	4354	7/22/11	23:50	MA EPH
o-terphenyl SUR	**66**	40-140	%	1	JLZ	7/14/11	4354	7/26/11	17:55	MA EPH
2-fluorobiphenyl SUR	**93**	40-140	%	1	JLZ	7/14/11	4354	7/26/11	17:55	MA EPH
2-bromonaphthalene SUR	**90**	40-140	%	1	JLZ	7/14/11	4354	7/26/11	17:55	MA EPH

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983

Sample#: 21983-002
Sample ID: H-4
Matrix: Water
Sampled: 7/12/11 9:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	< 0.008	0.008	mg/L	1	BJS		1101420	7/14/11	14:32	SW3005A6010C

Sample#: 21983-003
Sample ID: GEO-2
Matrix: Water
Sampled: 7/12/11 12:05

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	< 0.008	0.008	mg/L	1	BJS		1101420	7/14/11	14:40	SW3005A6010C

Sample#: 21983-004
Sample ID: GEO-3
Matrix: Water
Sampled: 7/12/11 12:45

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	**0.012**	0.008	mg/L	1	BJS		1101420	7/14/11	14:45	SW3005A6010C

Sample#: 21983-005
Sample ID: GEO-5
Matrix: Water
Sampled: 7/12/11 9:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	< 0.008	0.008	mg/L	1	BJS		1101420	7/14/11	14:53	SW3005A6010C

Sample#: 21983-006
Sample ID: MW-103
Matrix: Water
Sampled: 7/12/11 10:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	< 0.008	0.008	mg/L	1	BJS		1101420	7/14/11	14:58	SW3005A6010C

Sample#: 21983-008
Sample ID: MW-201
Matrix: Water
Sampled: 7/12/11 11:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	**0.011**	0.008	mg/L	1	BJS		1101420	7/14/11	15:05	SW3005A6010C

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21983

Sample#: 21983-009
Sample ID: MW-202
Matrix: Water
Sampled: 7/12/11 11:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	< 0.008	0.008	mg/L	1	BJS		1101420	7/14/11	15:15	SW3005A6010C

Sample#: 21983-010
Sample ID: MW-204
Matrix: Water
Sampled: 7/12/11 13:20

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	**0.055**	0.008	mg/L	1	BJS		1101420	7/14/11	15:19	SW3005A6010C

Sample#: 21983-011
Sample ID: GEO/MW-100
Matrix: Water
Sampled: 7/12/11 12:20

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	< 0.008	0.008	mg/L	1	BJS		1101420	7/14/11	15:25	SW3005A6010C

Absolute Resource associates

Quality Control Report

Absolute Resource associates
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Portsmouth, NH 03801
www.absoluteresourceassociates.com

MassDEP Analytical Protocol Certification Form

Laboratory Name: **Absolute Resource Associates** Project #: 6371-000

Project Location: Massachusetts RTN:

This Form provides certifications for the following data set: **21983**

Matrices: Groundwater/Surface Water ☑ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocol (check all that apply below):

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 ☐	9014 Total Cyanide/PAC CAM VIA ☐	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 modifications(s)? (Refer to the individual methods for a list of significant modifications). 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 must be addressed in an attached laboratory narrative.

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

Signature: SCSylvester (for) **Position: Lab Director**

Printed Name: Susan C. Sylvester **Date: 8/3/11**

Sample Integrity Table

Parameter	Method	Matrix	Minimum Volume	Recommended Container(s)	Required Preservation	Holding Time
Volatile Organics	EPA 8260	Aqueous	40mL	2 x 40mL VOA Vials with Teflon lined septa	Cool to ≤6°C 1:1 HCl to pH <2	14 Days
Volatile Organics	EPA 8260	Solid	40mL	1 x 40mL VOA Vial with 10mLs Methanol and 1 unpreserved container for percent moisture	Cool to ≤6°C Methanol	14 Days
Semivolatile Organics	EPA 8270	Aqueous	1L	1L Amber Glass Bottle w/Teflon liner	Cool to ≤6°C	7 Days
Semivolatile Organics	EPA 8270	Solid	20g	4oz Amber Glass Jar w/Teflon liner	Cool to ≤6°C	14 Days
Organochlorine Pesticides	EPA 8081	Aqueous	1L	1L Amber Glass Bottle w/Teflon liner	Cool to ≤6°C	7 Days
Organochlorine Pesticides	EPA 8081	Solid	20g	4oz Glass Jar w/Teflon liner	Cool to ≤6°C	14 Days
PCBs	EPA 8082	Aqueous	1L	1L Amber Glass Bottle w/Teflon liner	Cool to ≤6°C	365 Days
PCBs	EPA 8082	Solid	20g	4oz Glass Jar w/Teflon liner	Cool to ≤6°C	365 Days
Herbicides (subcontracted)	EPA 8151	Aqueous	1L	1L Amber Glass Bottle w/Teflon liner	Cool to ≤6°C	7 Days
Herbicides (subcontracted)	EPA 8151	Solid	30g	4oz Glass Jar w/Teflon liner	Cool to ≤6°C	14 Days
MA DEP VPH	MADEP VPH	Aqueous	40mL	2 x 40mL VOA Vials with Teflon lined septa	Cool to ≤6°C 1:1 HCl to pH <2	14 Days
MA DEP VPH	MADEP VPH	Solid	40mL	1 x 40mL VOA Vial with 10mLs Methanol and 1 unpreserved container for percent moisture	Cool to ≤6°C Methanol	28 Days
MA DEP EPH	MADEP EPH	Aqueous	1L	1L Amber Glass Bottle w/Teflon liner	Cool to ≤6°C 1:1 H_2SO_4 to pH <2	14 Days
MA DEP EPH	MADEP EPH	Solid	30g	4oz Amber Glass Jar w/Teflon liner	Cool to ≤6°C	14 Days
Total Metals	EPA 6010	Aqueous	100mL	250mL Polyethylene Bottle	1:1 HNO_3 to pH <2	180 Days
Dissolved Metals	EPA 6010	Aqueous	100mL	250mL Polyethylene Bottle	Filter First 1:1 HNO_3 to pH <2	180 Days
Total Metals	EPA 6010	Solid	15g	4oz Glass Jar w/Teflon liner	Cool to ≤6°C	180 Days
Total Mercury (may be combined with Total Metals)	EPA 7470	Aqueous	100mL	125mL Polyethylene Bottle	1:1 HNO_3 to pH <2	28 Days
Total Mercury (may be combined with Total Metals)	EPA 7471	Solid	15g	4oz Glass Jar w/Teflon liner	Cool to ≤6°C	28 Days
Chromium, Hexavalent	EPA 7196	Aqueous	100mL	125mL Polyethylene Bottle	Cool to ≤6°C (NH4)2SO4 buffer	28 Days
Chromium, Hexavalent (subcontract)	EPA 7196	Solid	15g	4oz Glass Jar w/Teflon liner	Cool to ≤6°C	30 Days
Cyanide, Total	EPA 9014	Aqueous	125mL	125mL Polyethylene Bottle	Cool to ≤6°C 1:1 NaOH to pH >8	14 Days
Cyanide, Total	EPA 9014	Solid	15g	4oz Glass Jar w/Teflon liner	Cool to ≤6°C	14 Days

Case Narrative
Lab # 21983

Sample Receiving and Chain of Custody Discrepancies

Samples were received in acceptable condition, at 1 degrees C, on ice, and in accordance with sample handling, preservation and integrity guidelines.

Calibration

See the included table for a list of compounds quantitated by quadratic equation.

Method Blank

VOC: The compound, hexachlorobutadiene, was detected in the BLK1101463 at 0.8ug/L. There is no impact to the data as this analyte was not detected in the associated field samples.

Surrogate Recoveries

EPH: Samples 21983-003 and -008 showed recovery below the acceptance criteria for the extraction surrogates due to heavy emulsion formation during the extraction. No additional sample remains for re-analysis.

EPH: One of the extraction surrogates in the sample 21983-009 showed recovery outside the acceptance limits due to co-eluting hydrocarbons. The chromatogram is included in the report.

Laboratory Control Sample Results

VOC: The LCS/D1101463 did not meet the acceptance criteria for bromomethane. This compound showed high recovery. There is no impact to the data as this analyte was not detected in the associated samples.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results

Not requested for this project.

Other

EPH: The fractionation check sample (LCS) for the batch of silica gel in use for these samples met the method acceptance criteria.

EPH: For the following samples: 21983-001, -002, and -005, no ranges were detected above the method reporting limit and therefore did not require fractionation.

MassDEP Analytical Protocol Certification Form Questions A through I

No explanation is needed for Questions A through I answered in the affirmative.

Question E: VPH target compounds and ranges were determined by GC/MS, therefore, Box E is checked "No." Ranges were determined in a similar manner as described in the MADEP APH method of 2/2000.

Question G: The CAM protocol reporting limits were not achieved for this project due to dilutions necessary for sample analysis. Box G is "No."

Question H: EPH: Several samples exhibited surrogate recoveries outside the acceptance criteria. See "Surrogate" section above. Box H is "No."

Question I: Metals: The MCP required metals were not requested by the customer. Box I is "No."

Quantitation by Quadratic Equation
Lab # 21983

Quantitation of the following compounds was based on a quadratic equation

Vinyl chloride
Bromomethane
Acetone
1,1-Dichloroethene
Carbon disulfide
2-butanone (MEK)
2,2-dichloropropane
1,1,1-Trichloroethane
Carbon tetrachloride
dibromomethane
Bromodichloromethane
4-methyl-2-pentanone (MIBK)
cis-1,3-dichloropropene
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Dibromochloromethane
1,1,1,2-Tetrachloroethane
Bromoform
1,1,2,2-Tetrachloroethane
1,2-dibromo-3-chloropropane (DBCP)
naphthalene

- QC Report -

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
MA VPH	BLK1101491	C5-C8 Aliphatics										
		Unadjusted C5-C8 Aliphatics		<	100	ug/L						
		Unadjusted C9-C12 Aliphatics		<	100	ug/L						
		methyl t-butyl ether (MTBE)		<	2	ug/L						
		benzene		<	1	ug/L						
		toluene		<	2	ug/L						
		ethylbenzene		<	2	ug/L						
		m&p-xylenes		<	2	ug/L						
		o-xylene		<	2	ug/L						
		naphthalene		<	5	ug/L						
		C9-C10 Aromatics		<	100	ug/L						
		2,5-dibromotoluene as			99	%			70	130		
		2,5-dibromotoluene as			100	%			70	130		
MA VPH	LCS1101491	C5-C8 Aliphatics										
		Unadjusted C5-C8 Aliphatics			680	ug/L	750	91	70	130		
		Unadjusted C9-C12 Aliphatics			470	ug/L	550	85	70	130		
		methyl t-butyl ether (MTBE)			140	ug/L	150	91	70	130		
		benzene			52	ug/L	50	103	70	130		
		toluene			150	ug/L	150	103	70	130		
		ethylbenzene			48	ug/L	50	96	70	130		
		m&p-xylenes			200	ug/L	200	100	70	130		
		o-xylene			100	ug/L	100	101	70	130		
		naphthalene			92	ug/L	100	92	70	130		
		C9-C10 Aromatics			100	ug/L	100	101	70	130		
		2,5-dibromotoluene as			100	%			70	130		
		2,5-dibromotoluene as			103	%			70	130		
MA VPH	LCSD1101491	C5-C8 Aliphatics										
		Unadjusted C5-C8 Aliphatics			670	ug/L	750	90	70	130	2	25
		Unadjusted C9-C12 Aliphatics			470	ug/L	550	85	70	130	0	25
		methyl t-butyl ether (MTBE)			140	ug/L	150	94	70	130	3	25
		benzene			51	ug/L	50	102	70	130	1	25
		toluene			150	ug/L	150	102	70	130	1	25
		ethylbenzene			50	ug/L	50	100	70	130	4	25
		m&p-xylenes			200	ug/L	200	101	70	130	1	25
		o-xylene			100	ug/L	100	100	70	130	0	25
		naphthalene			92	ug/L	100	92	70	130	0	25
		C9-C10 Aromatics			100	ug/L	100	100	70	130	1	25
		2,5-dibromotoluene as			105	%			70	130		
		2,5-dibromotoluene as			108	%			70	130		

Absolute Resource associates

Method	QC ID	Parameter	Associated Sample		Result	Units Amt Added	%R	Limits	RPD	RPD Limit
SW5030B8260B	BLK1101463	dichlorodifluoromethane		<	2	ug/L				
		chloromethane		<	2	ug/L				
		vinyl chloride		<	2	ug/L				
		bromomethane		<	2	ug/L				
		chloroethane		<	2	ug/L				
		trichlorofluoromethane		<	2	ug/L				
		diethyl ether		<	10	ug/L				
		acetone		<	50	ug/L				
		1,1-dichloroethene		<	1	ug/L				
		methylene chloride		<	5	ug/L				
		carbon disulfide		<	2	ug/L				
		methyl t-butyl ether (MTBE)		<	2	ug/L				
		trans-1,2-dichloroethene		<	2	ug/L				
		isopropyl ether (DIPE)		<	2	ug/L				
		ethyl t-butyl ether (ETBE)		<	2	ug/L				
		1,1-dichloroethane		<	2	ug/L				
		t-butanol (TBA)		<	30	ug/L				
		2-butanone (MEK)		<	10	ug/L				
		2,2-dichloropropane		<	2	ug/L				
		cis-1,2-dichloroethene		<	2	ug/L				
		chloroform		<	2	ug/L				
		bromochloromethane		<	2	ug/L				
		tetrahydrofuran (THF)		<	10	ug/L				
		1,1,1-trichloroethane		<	2	ug/L				
		1,1-dichloropropene		<	2	ug/L				
		t-amyl-methyl ether (TAME)		<	2	ug/L				
		carbon tetrachloride		<	2	ug/L				
		1,2-dichloroethane		<	2	ug/L				
		benzene		<	2	ug/L				
		trichloroethene		<	2	ug/L				
		1,2-dichloropropane		<	2	ug/L				
		bromodichloromethane		<	0.6	ug/L				
		1,4-dioxane		<	50	ug/L				
		dibromomethane		<	2	ug/L				
		4-methyl-2-pentanone (MIBK)		<	10	ug/L				
		cis-1,3-dichloropropene		<	2	ug/L				
		toluene		<	2	ug/L				
		trans-1,3-dichloropropene		<	2	ug/L				
		2-hexanone		<	10	ug/L				
		1,1,2-trichloroethane		<	2	ug/L				
		1,3-dichloropropane		<	2	ug/L				
		tetrachloroethene		<	2	ug/L				
		dibromochloromethane		<	2	ug/L				
		1,2-dibromoethane (EDB)		<	2	ug/L				
		chlorobenzene		<	2	ug/L				
		1,1,1,2-tetrachloroethane		<	2	ug/L				
		ethylbenzene		<	2	ug/L				
		m&p-xylenes		<	2	ug/L				
		o-xylene		<	2	ug/L				
		styrene		<	2	ug/L				
		bromoform		<	2	ug/L				

Method	QC ID	Parameter	Associated Sample		Result	Units Amt Added	%R	Limits		RPD	RPD Limit
SW5030B8260B	BLK1101463	isopropylbenzene		<	2	ug/L					
		1,1,2,2-tetrachloroethane		<	2	ug/L					
		1,2,3-trichloropropane		<	2	ug/L					
		n-propylbenzene		<	2	ug/L					
		bromobenzene		<	2	ug/L					
		1,3,5-trimethylbenzene		<	2	ug/L					
		2-chlorotoluene		<	2	ug/L					
		4-chlorotoluene		<	2	ug/L					
		tert-butylbenzene		<	2	ug/L					
		1,2,4-trimethylbenzene		<	2	ug/L					
		sec-butylbenzene		<	2	ug/L					
		1,3-dichlorobenzene		<	2	ug/L					
		4-isopropyltoluene		<	2	ug/L					
		1,4-dichlorobenzene		<	2	ug/L					
		1,2-dichlorobenzene		<	2	ug/L					
		n-butylbenzene		<	2	ug/L					
		1,2-dibromo-3-chloropropane		<	2	ug/L					
		1,2,4-trichlorobenzene		<	2	ug/L					
		hexachlorobutadiene			0.8	ug/L					
		naphthalene		<	5	ug/L					
		1,2,3-trichlorobenzene		<	2	ug/L					
		dibromofluoromethane SUR			99	%		78	114		
		toluene-D8 SUR			99	%		88	110		
		4-bromofluorobenzene SUR			91	%		86	115		

Absolute Resource associates

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW5030B8260B	LCS1101463	dichlorodifluoromethane			18	ug/L	20	91		70	130		
		chloromethane			21	ug/L	20	103		70	130		
		vinyl chloride			20	ug/L	20	101		70	130		
		bromomethane			33	ug/L	20	167	*	70	130		
		chloroethane			21	ug/L	20	105		70	130		
		trichlorofluoromethane			19	ug/L	20	97		70	130		
		diethyl ether			21	ug/L	20	107		70	130		
		acetone		<	50	ug/L	20	133					
		1,1-dichloroethene			17	ug/L	20	86		70	130		
		methylene chloride			20	ug/L	20	98		70	130		
		carbon disulfide			20	ug/L	20	98		70	130		
		methyl t-butyl ether (MTBE)			20	ug/L	20	101		70	130		
		trans-1,2-dichloroethene			18	ug/L	20	92		70	130		
		isopropyl ether (DIPE)			20	ug/L	20	102		70	130		
		ethyl t-butyl ether (ETBE)			20	ug/L	20	102		70	130		
		1,1-dichloroethane			19	ug/L	20	94		70	130		
		t-butanol (TBA)			110	ug/L	100	110		70	130		
		2-butanone (MEK)			24	ug/L	20	121		70	130		
		2,2-dichloropropane			17	ug/L	20	84		70	130		
		cis-1,2-dichloroethene			20	ug/L	20	99		70	130		
		chloroform			20	ug/L	20	102		70	130		
		bromochloromethane			21	ug/L	20	103		70	130		
		tetrahydrofuran (THF)			20	ug/L	20	100		70	130		
		1,1,1-trichloroethane			19	ug/L	20	96		70	130		
		1,1-dichloropropene			21	ug/L	20	106		70	130		
		t-amyl-methyl ether (TAME)			20	ug/L	20	98		70	130		
		carbon tetrachloride			17	ug/L	20	83		70	130		
		1,2-dichloroethane			21	ug/L	20	107		70	130		
		benzene			21	ug/L	20	107		70	130		
		trichloroethene			21	ug/L	20	106		70	130		
		1,2-dichloropropane			20	ug/L	20	102		70	130		
		bromodichloromethane			19	ug/L	20	93		70	130		
		1,4-dioxane		<	50	ug/L	40	107		70	130		
		dibromomethane			21	ug/L	20	106		70	130		
		4-methyl-2-pentanone (MIBK)			19	ug/L	20	97		70	130		
		cis-1,3-dichloropropene			19	ug/L	20	93		70	130		
		toluene			21	ug/L	20	107		70	130		
		trans-1,3-dichloropropene			19	ug/L	20	95		70	130		
		2-hexanone			20	ug/L	20	101		70	130		
		1,1,2-trichloroethane			21	ug/L	20	106		70	130		
		1,3-dichloropropane			22	ug/L	20	111		70	130		
		tetrachloroethene			23	ug/L	20	113		70	130		
		dibromochloromethane			16	ug/L	20	79		70	130		
		1,2-dibromoethane (EDB)			20	ug/L	20	101		70	130		
		chlorobenzene			22	ug/L	20	110		70	130		
		1,1,1,2-tetrachloroethane			18	ug/L	20	88		70	130		
		ethylbenzene			23	ug/L	20	114		70	130		
		m&p-xylenes			46	ug/L	40	116		70	130		
		o-xylene			24	ug/L	20	118		70	130		
		styrene			22	ug/L	20	112		70	130		
		bromoform			18	ug/L	20	92		70	130		

Absolute Resource associates

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW5030B8260B	LCS1101463	isopropylbenzene		20	ug/L	20	101	70	130		
		1,1,2,2-tetrachloroethane		21	ug/L	20	105	70	130		
		1,2,3-trichloropropane		23	ug/L	20	114	70	130		
		n-propylbenzene		22	ug/L	20	109	70	130		
		bromobenzene		23	ug/L	20	115	70	130		
		1,3,5-trimethylbenzene		23	ug/L	20	116	70	130		
		2-chlorotoluene		22	ug/L	20	111	70	130		
		4-chlorotoluene		23	ug/L	20	113	70	130		
		tert-butylbenzene		23	ug/L	20	115	70	130		
		1,2,4-trimethylbenzene		23	ug/L	20	115	70	130		
		sec-butylbenzene		23	ug/L	20	113	70	130		
		1,3-dichlorobenzene		23	ug/L	20	116	70	130		
		4-isopropyltoluene		22	ug/L	20	110	70	130		
		1,4-dichlorobenzene		23	ug/L	20	113	70	130		
		1,2-dichlorobenzene		24	ug/L	20	118	70	130		
		n-butylbenzene		21	ug/L	20	106	70	130		
		1,2-dibromo-3-chloropropane		17	ug/L	20	83	70	130		
		1,2,4-trichlorobenzene		19	ug/L	20	96	70	130		
		hexachlorobutadiene		21	ug/L	20	103	70	130		
		naphthalene		21	ug/L	20	107	70	130		
		1,2,3-trichlorobenzene		22	ug/L	20	108	70	130		
		dibromofluoromethane SUR		102	%			78	114		
		toluene-D8 SUR		100	%			88	110		
		4-bromofluorobenzene SUR		102	%			86	115		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW5030B8260B	LCSD1101463	dichlorodifluoromethane			18	ug/L	20	90		70	130	1	20
		chloromethane			20	ug/L	20	100		70	130	3	20
		vinyl chloride			20	ug/L	20	99		70	130	2	20
		bromomethane			34	ug/L	20	171	*	70	130	2	20
		chloroethane			21	ug/L	20	104		70	130	2	20
		trichlorofluoromethane			19	ug/L	20	96		70	130	1	20
		diethyl ether			21	ug/L	20	103		70	130	3	20
		acetone		<	50	ug/L	20	118				12	20
		1,1-dichloroethene			17	ug/L	20	83		70	130	4	20
		methylene chloride			19	ug/L	20	96		70	130	1	20
		carbon disulfide			19	ug/L	20	94		70	130	4	20
		methyl t-butyl ether (MTBE)			20	ug/L	20	99		70	130	2	20
		trans-1,2-dichloroethene			18	ug/L	20	90		70	130	2	20
		isopropyl ether (DIPE)			20	ug/L	20	100		70	130	2	20
		ethyl t-butyl ether (ETBE)			20	ug/L	20	98		70	130	4	20
		1,1-dichloroethane			18	ug/L	20	91		70	130	3	20
		t-butanol (TBA)			110	ug/L	100	106		70	130	4	20
		2-butanone (MEK)			22	ug/L	20	110		70	130	9	20
		2,2-dichloropropane			16	ug/L	20	79		70	130	6	20
		cis-1,2-dichloroethene			20	ug/L	20	98		70	130	1	20
		chloroform			20	ug/L	20	100		70	130	2	20
		bromochloromethane			20	ug/L	20	101		70	130	2	20
		tetrahydrofuran (THF)			19	ug/L	20	97		70	130	3	20
		1,1,1-trichloroethane			19	ug/L	20	93		70	130	3	20
		1,1-dichloropropene			20	ug/L	20	101		70	130	4	20
		t-amyl-methyl ether (TAME)			19	ug/L	20	96		70	130	2	20
		carbon tetrachloride			16	ug/L	20	82		70	130	2	20
		1,2-dichloroethane			21	ug/L	20	103		70	130	3	20
		benzene			21	ug/L	20	104		70	130	2	20
		trichloroethene			20	ug/L	20	100		70	130	6	20
		1,2-dichloropropane			20	ug/L	20	99		70	130	2	20
		bromodichloromethane			19	ug/L	20	94		70	130	1	20
		1,4-dioxane		<	50	ug/L	40	107		70	130	0	20
		dibromomethane			21	ug/L	20	104		70	130	2	20
		4-methyl-2-pentanone (MIBK)			18	ug/L	20	92		70	130	5	20
		cis-1,3-dichloropropene			19	ug/L	20	93		70	130	1	20
		toluene			21	ug/L	20	105		70	130	2	20
		trans-1,3-dichloropropene			19	ug/L	20	96		70	130	2	20
		2-hexanone			19	ug/L	20	97		70	130	3	20
		1,1,2-trichloroethane			20	ug/L	20	102		70	130	4	20
		1,3-dichloropropane			22	ug/L	20	108		70	130	3	20
		tetrachloroethene			21	ug/L	20	106		70	130	6	20
		dibromochloromethane			16	ug/L	20	80		70	130	2	20
		1,2-dibromoethane (EDB)			20	ug/L	20	98		70	130	4	20
		chlorobenzene			21	ug/L	20	107		70	130	3	20
		1,1,1,2-tetrachloroethane			18	ug/L	20	90		70	130	2	20
		ethylbenzene			22	ug/L	20	111		70	130	3	20
		m&p-xylenes			45	ug/L	40	113		70	130	3	20
		o-xylene			23	ug/L	20	116		70	130	2	20
		styrene			22	ug/L	20	110		70	130	3	20
		bromoform			19	ug/L	20	95		70	130	4	20

Absolute Resource associates

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW5030B8260B	LCSD1101463	isopropylbenzene		20	ug/L	20	98	70	130	3	20
		1,1,2,2-tetrachloroethane		21	ug/L	20	106	70	130	0	20
		1,2,3-trichloropropane		22	ug/L	20	110	70	130	3	20
		n-propylbenzene		21	ug/L	20	105	70	130	4	20
		bromobenzene		23	ug/L	20	113	70	130	2	20
		1,3,5-trimethylbenzene		22	ug/L	20	112	70	130	3	20
		2-chlorotoluene		22	ug/L	20	108	70	130	3	20
		4-chlorotoluene		22	ug/L	20	112	70	130	1	20
		tert-butylbenzene		23	ug/L	20	116	70	130	1	20
		1,2,4-trimethylbenzene		22	ug/L	20	112	70	130	3	20
		sec-butylbenzene		22	ug/L	20	110	70	130	3	20
		1,3-dichlorobenzene		22	ug/L	20	112	70	130	3	20
		4-isopropyltoluene		21	ug/L	20	105	70	130	4	20
		1,4-dichlorobenzene		22	ug/L	20	112	70	130	1	20
		1,2-dichlorobenzene		23	ug/L	20	115	70	130	2	20
		n-butylbenzene		21	ug/L	20	103	70	130	3	20
		1,2-dibromo-3-chloropropane		17	ug/L	20	85	70	130	2	20
		1,2,4-trichlorobenzene		19	ug/L	20	94	70	130	2	20
		hexachlorobutadiene		20	ug/L	20	100	70	130	3	20
		naphthalene		21	ug/L	20	104	70	130	2	20
		1,2,3-trichlorobenzene		21	ug/L	20	103	70	130	4	20
		dibromofluoromethane SUR		103	%			78	114		
		toluene-D8 SUR		100	%			88	110		
		4-bromofluorobenzene SUR		101	%			86	115		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
MA EPH	BLK4354	naphthalene		<	0.5	ug/L						
		2-methylnaphthalene		<	0.5	ug/L						
		phenanthrene		<	0.5	ug/L						
		acenaphthene		<	0.5	ug/L						
		acenaphthylene		<	0.5	ug/L						
		fluorene		<	0.5	ug/L						
		anthracene		<	0.5	ug/L						
		fluoranthene		<	0.5	ug/L						
		pyrene		<	0.5	ug/L						
		benzo(a)anthracene		<	0.5	ug/L						
		chrysene		<	0.5	ug/L						
		benzo(b)fluoranthene		<	0.5	ug/L						
		benzo(k)fluoranthene		<	0.5	ug/L						
		benzo(a)pyrene		<	0.2	ug/L						
		indeno(1,2,3-cd)pyrene		<	0.5	ug/L						
		dibenzo(a,h)anthracene		<	0.5	ug/L						
		benzo(g,h,i)perylene		<	0.5	ug/L						
		Unadjusted C11-C22 Aromatics		<	100	ug/L						
		C9-C18 Aliphatics		<	100	ug/L						
		C19-C36 Aliphatics		<	100	ug/L						
		C11-C22 Aromatics		<	100	ug/L						
		1-chloro-octadecane SUR			67	%			40	140		
		o-terphenyl SUR			74	%			40	140		
		2-fluorobiphenyl SUR			94	%			40	140		
		2-bromonaphthalene SUR			74	%			40	140		
MA EPH	LCS4354	naphthalene			34	ug/L	60	57	40	140		
		2-methylnaphthalene			34	ug/L	60	56	40	140		
		phenanthrene			42	ug/L	60	70	40	140		
		acenaphthene			42	ug/L	60	70	40	140		
		acenaphthylene			40	ug/L	60	67	40	140		
		fluorene			40	ug/L	60	67	40	140		
		anthracene			42	ug/L	60	70	40	140		
		fluoranthene			45	ug/L	60	76	40	140		
		pyrene			47	ug/L	60	79	40	140		
		benzo(a)anthracene			44	ug/L	60	73	40	140		
		chrysene			46	ug/L	60	77	40	140		
		benzo(b)fluoranthene			48	ug/L	60	80	40	140		
		benzo(k)fluoranthene			44	ug/L	60	73	40	140		
		benzo(a)pyrene			45	ug/L	60	75	40	140		
		indeno(1,2,3-cd)pyrene			45	ug/L	60	75	40	140		
		dibenzo(a,h)anthracene			45	ug/L	60	75	40	140		
		benzo(g,h,i)perylene			45	ug/L	60	74	40	140		
		Unadjusted C11-C22 Aromatics			930	ug/L	1020	91	40	140		
		C9-C18 Aliphatics			220	ug/L	360	61	40	140		
		C19-C36 Aliphatics			220	ug/L	480	46	40	140		
		C11-C22 Aromatics			200	ug/L						
		1-chloro-octadecane SUR			61	%			40	140		
		o-terphenyl SUR			77	%			40	140		
		2-fluorobiphenyl SUR			99	%			40	140		
		2-bromonaphthalene SUR			82	%			40	140		

Absolute Resource associates

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
MA EPH	LCSD4354	naphthalene		33	ug/L	60	55	40	140	3	25
		2-methylnaphthalene		33	ug/L	60	54	40	140	3	25
		phenanthrene		44	ug/L	60	73	40	140	4	25
		acenaphthene		42	ug/L	60	70	40	140	1	25
		acenaphthylene		40	ug/L	60	67	40	140	0	25
		fluorene		43	ug/L	60	71	40	140	5	25
		anthracene		44	ug/L	60	74	40	140	5	25
		fluoranthene		48	ug/L	60	80	40	140	5	25
		pyrene		50	ug/L	60	84	40	140	6	25
		benzo(a)anthracene		47	ug/L	60	79	40	140	7	25
		chrysene		50	ug/L	60	84	40	140	9	25
		benzo(b)fluoranthene		46	ug/L	60	77	40	140	4	25
		benzo(k)fluoranthene		54	ug/L	60	90	40	140	21	25
		benzo(a)pyrene		49	ug/L	60	82	40	140	9	25
		indeno(1,2,3-cd)pyrene		49	ug/L	60	82	40	140	9	25
		dibenzo(a,h)anthracene		49	ug/L	60	82	40	140	9	25
		benzo(g,h,i)perylene		49	ug/L	60	82	40	140	10	25
		Unadjusted C11-C22 Aromatics		920	ug/L	1020	90	40	140	1	25
		C9-C18 Aliphatics		240	ug/L	360	66	40	140	8	25
		C19-C36 Aliphatics		210	ug/L	480	44	40	140	4	25
		C11-C22 Aromatics		150	ug/L						
		1-chloro-octadecane SUR		59	%			40	140		
		o-terphenyl SUR		73	%			40	140		
		2-fluorobiphenyl SUR		94	%			40	140		
		2-bromonaphthalene SUR		72	%			40	140		

Absolute Resource associates

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3005A6010C	BLK1101420	Lead		<	0.01	mg/L						
SW3005A6010C	LCS1101420	Lead			0.50	mg/L	0.5	100	80	120		
SW3005A6010C	MS1101420	Lead	21983-002		0.55	mg/L	0.5	109	75	125		
SW3005A6010C	MSD1101420	Lead	21983-002		0.52	mg/L	0.5	103	75	125	5	20

Absolute Resource associates

Lab Number:	NBT LCS4354
Sample Designation:	Laboratory Control Sample 4354W
Date Sampled:	N/A
Date Received:	N/A
Date Extracted:	7/13/11
Matrix:	Water
Containers:	N/A
Sample Preservation:	N/A
Temperature:	N/A
Dilution Factor:	1
Analyst:	JLZ

NAPHTHALENE BREAKTHROUGH CALCULATION

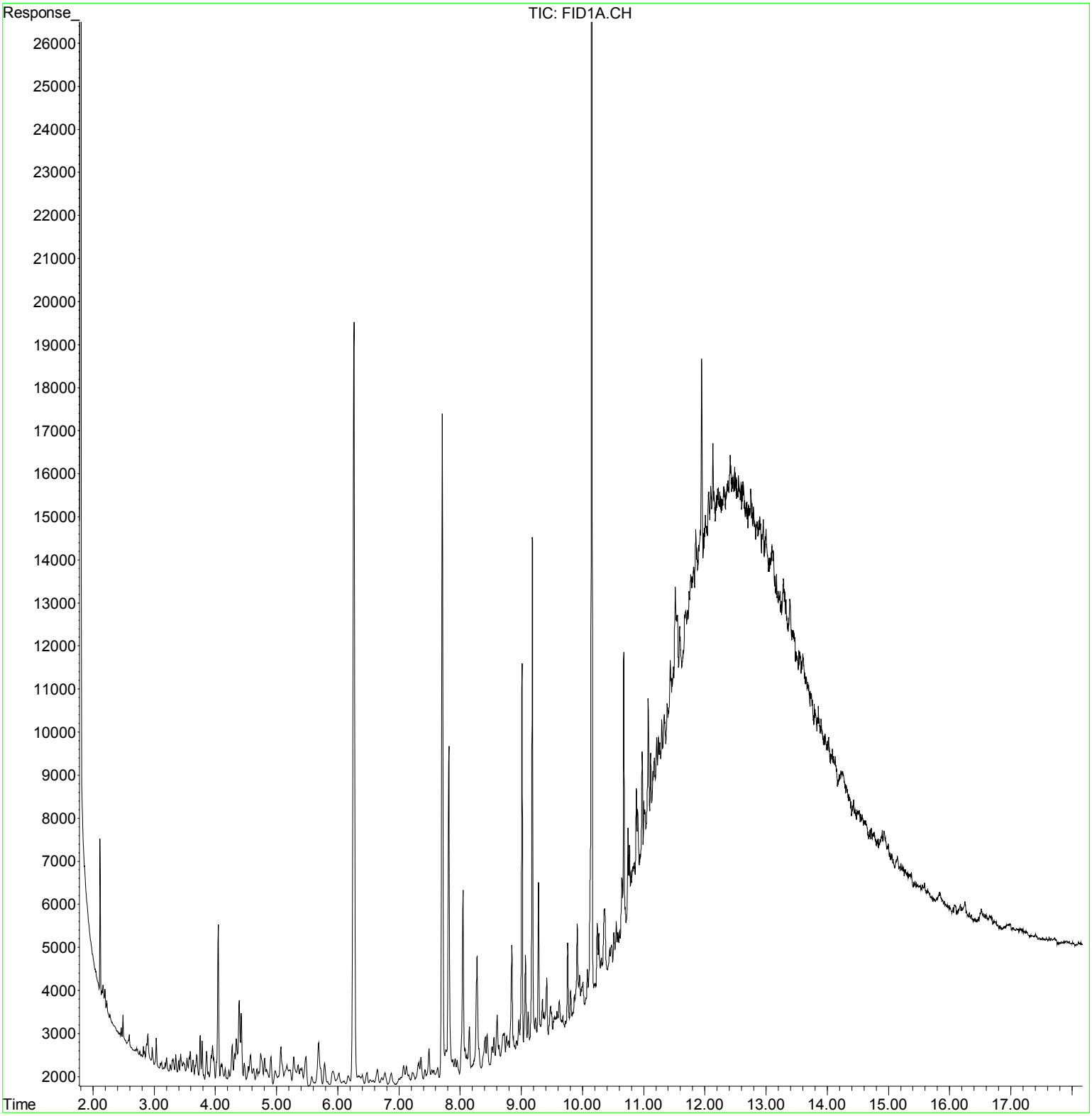
Method for Ranges: MADEP EPH 2004-1.1

Method for Target Analytes: EPA 8270C

	LCS Aliphatic Breakthrough (%)	Acceptance Criteria	Date of Analysis
naphthalene	0.1%	<5.0%	7/27/11
2-methylnaphthalene	0.2%	<5.0%	7/27/11

Absolute Resource associates

File : X:\SVOA01\2011\JUL11\072911\S1072918.D
Operator : jlz
Acquired : 29 Jul 2011 3:42 pm using AcqMethod S1ZIPARO.M
Instrument : SVOA01
Sample Name: 21983-09 aro x2
Misc Info :
Vial Number: 18



Absolute Resource associates
124 Heritage Avenue #10
Portsmouth, NH 03801
603-436-2001
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CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

21983

Company Name: GEOINSIGHT, INC.
Company Address: 186 GRANITE ST. SUITE 3A MANCHESTER NH
Report To: TODD PISKOVITZ
Phone #: 603-314-0820
Invoice To: SAME

Project Name: SOUTH BOSTON
Project #: 6371-000
Project Location: NH (MA) ME VT ___ Other
Protocol: RCRA MCP SDWA NHDES NPDES OTHER
Reporting Limits: QAPP EPA DW GW-1 Other GW-2 S-1
Quote #_____ ☐ NH GREE/ODD Fund Pricing
PO #_____

ANALYSIS REQUEST

☒ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP
☐ VOC 624 ☐ VOC BTEX ☐ MtBE, only ☐ VOC 8021VT
☒ VPH MADEP ☐ MEGRO ☐ GRO 8015
☐ VOC 524.2 ☐ VOC 524.2 NH List ☐ Gases-List:
☐ TPH ☐ DRO 8015 ☐ MEDRO ☒ EPH MADEP ☐ TPH Fingerprint
☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB 504.1
☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB
☐ O&G 1664 ☐ Mineral O&G SM5520F
☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity
☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity
☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals
☐ Total Metals-list:
☒ Dissolved Metals-list: LEAD
☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON
☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN
☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P
☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride
☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP
☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide
Subcontract: ☐ TOC ☐ Grain Size ☐ TCLP Herbicides
Grab (G) or Composite (C)

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER	VOC 8260 NHDES	VOC 8260	VOC 624	VPH MADEP	VOC 524.2	TPH	EPH MADEP	Dissolved Metals-list: LEAD	Grab (G) or Composite (C)
21983-01	H-3	1	X			X						7/12/11	0900	JRM						X			G
02	H-4	4				X	X						0925					X		X		X	
03	GEO-2	2				X	X						1205							X		X	
04	GEO-3	3				X	X						1245		X							X	
05	GEO-5	4				X	X						0950					X		X		X	
06	MW-103	1				X	X						1025					~~X~~		~~X~~		(X)	
07	MW-104	3				X							1045					X		X			
08	MW-201	2				X	X						1115							X		X	
09	MW-202	2				X	X						1130							X		X	
~~10~~	~~MW-203~~																						
10	MW-204	4	X			X	X						1320		X					X		X	

>N/A per Todd @ 7/14 (X) - only

TAT REQUESTED
Priority (24 hr)* ☐
Expedited (48 hr)* ☐
Standard (10 Business Days) ☒
*Date Needed STD GEO

See absoluteresourceassociates.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS PLEASE PROVIDE MCP PRESUMPTIVE CERTAINTY MUST MEET LAB DETECTION LIMITS AND GW-2 STANDARDS DISSOLVED LEAD SAMPLES WERE FIELD FILTERED

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) TEPISKOVITZ@GEOINC.COM
☐ HARD COPY REQUIRED ☐ FAX (FAX#)_____ ☐ OTHER (specify)_____

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 1 °C

CUSTODY RECORD
QSD-01 Revision 12/23/10

Relinquished by Sampler:	Date	Time	Received by:	Date	Time
[signature]	7/12/11	1525	GEOINC COLD STORAGE	7/12/11	1525
Relinquished by: GEOINC COLD STORAGE [signature]	7/13/11	11:05	Received by: [signature]	7/13/11	11 08
Relinquished by:	Date	Time	Received by Laboratory: Way Bill#:	Date	Time

Absolute Resource associates
124 Heritage Avenue #10
Portsmouth, NH 03801
603-436-2001
absoluteresourceassociates.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

21983

Company Name: GEOINSIGHT, INC.
Company Address: 186 GRANITE ST. SUITE 3A MANCHESTER NH
Report To: TODD PISKOVITZ
Phone #: 603-314-0820
Invoice To: SAME

Project Name: SOUTH BOSTON
Project #: 6371-000
Project Location: NH (MA) ME VT Other
Protocol: RCRA SDWA NPDES (MCP) NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other GW-2
Quote #_____ ☐ NH GREE/ODD Fund Pricing
PO # _____

ANALYSIS REQUEST

☐ VOC 8260 ☐ VOC 8260 NHDES ☒ VOC 8260 MADEP ☐ VOC 624 ☐ VOC BTEX ☐ MtBE, only ☐ VOC 8021VT ☐ VPH MADEP ☐ MEGRO ☐ GRO 8015 ☐ VOC 524.2 ☐ VOC 524.2 NH List ☐ Gases-List: ☐ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint ☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB 504.1 ☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB ☐ O&G 1664 ☐ Mineral O&G SM5520F ☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity ☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity ☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals ☐ Total Metals-list: ☒ Dissolved Metals-list: LEAD ☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON ☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN ☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P ☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride ☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP ☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide Subcontract: ☐ TOC ☐ Grain Size ☐ TCLP Herbicides

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER	Grab (G) or Composite (C)
-11	GEO/MW-100	1	X			X	X					7/12/11	1220	SMA	G
-12	TRIP BLANK	1	X			X						—	—	MA	

TAT REQUESTED
Priority (24 hr)* ☐
Expedited (48 hr)* ☐
Standard (10 Business Days) ☒
*Date Needed STD GEO

See absoluteresourceassociates.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS PLEASE PROVIDE MCP PRESUMPTIVE CERTAINTY MUST MEET CAM DETECTION LIMITS AND GW-2 STANDARDS DISSOLVED LEAD SAMPLES WERE FIELD FILTERED

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) TPISKOVITZ@GEOINC.COM
☐ HARD COPY REQUIRED ☐ FAX (FAX#)_____ ☐ OTHER (specify)_____

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 11 °C

CUSTODY RECORD
QSD-01 Revision 12/23/10

Relinquished by:	Date	Time	Received by:	Date	Time
Sampler	7/12/11	1525	GEOINC COLD STORAGE	7/12/11	1525
GEOINC COLD STORAGE	7/13/11	11:08		7/13/11	11:08
			Received by Laboratory: Way Bill#:		

40

Absolute Resource associates
124 Heritage Avenue #10 Portsmouth, NH 03801

Todd Piskovitz
GeoInsight, Inc.
186 Granite Street
3rd Floor, Suite A
Manchester, NH 03103

PO Number: None
Job ID: 21599
Date Received: 5/20/11

Project: South Boston 6371-000

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Absolute Resource Associates maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Absolute Resource Associates

(for)

Sue Sylvester
Principal, General Manager

Date of Approval: 6/9/2011
Total number of pages: 45

Absolute Resource Associates Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: South Boston 6371-000
Lab ID: 21599

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
H-1	Water	5/20/2011 8:35	21599-001	
				EPH in water by MADEP Method
				Nickel in water by 6010
				Lead in water by 6010
				VPH in water by MA DEP Method
MW-104	Water	5/20/2011 8:30	21599-002	
				VOCs in water by 8260
MW-201	Water	5/20/2011 8:45	21599-003	
				EPH in water by MADEP Method
				Nickel in water by 6010
				Lead in water by 6010
				VPH in water by MA DEP Method
MW-202	Water	5/20/2011 8:50	21599-004	
				EPH in water by MADEP Method
				Nickel in water by 6010
				Lead in water by 6010
				VPH in water by MA DEP Method
MW-203	Water	5/20/2011 9:25	21599-005	
				EPH in water by MADEP Method
				Nickel in water by 6010
				Lead in water by 6010
				VPH in water by MA DEP Method
MW-204	Water	5/20/2011 11:30	21599-006	
				EPH in water by MADEP Method
				Nickel in water by 6010
				Lead in water by 6010
				VPH in water by MA DEP Method
MW-205	Water	5/20/2011 9:00	21599-007	
				EPH in water by MADEP Method
				Nickel in water by 6010
				Lead in water by 6010
				VPH in water by MA DEP Method
GEO-2	Water	5/20/2011 10:15	21599-008	
				EPH in water by MADEP Method
				VPH in water by MA DEP Method
GEO-3	Water	5/20/2011 10:15	21599-009	
				VOCs in water by 8260
GEO/MW-103	Water	5/20/2011 9:10	21599-010	
				Silver in water by 6010
				Arsenic in water by 6010
				Barium in water by 6010
				Beryllium in water by 6010
				Cadmium in water by 6010
				Chromium in water by 6010
				Mercury in water by 7470
				Nickel in water by 6010
				Lead in water by 6010
				Antimony in water by 6010
				Selenium in water by 6010
				Thallium in water by 6010
				Vanadium in water by 6010
				Zinc in water by 6010

Absolute Resource associates

Project ID: South Boston 6371-000
Lab ID: 21599

Sample Association Table

Field ID	Matrix	Date-Time Sampled	Lab#	Analysis
Trip Blank	Water	5/20/2011	21599-011	
				VOCs in water by 8260

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-002
Sample ID: MW-104
Matrix: Water
Received on ice at 10˚C, in satisfactory condition.
Sampled: 5/20/11 8:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
diethyl ether	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
acetone	**12**	10	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
methylene chloride	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
t-butanol (TBA)	< 30	30	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
tetrahydrofuran (THF)	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-002
Sample ID: MW-104
Matrix: Water
Received on ice at 10˚C, in satisfactory condition.
Sampled: 5/20/11 8:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
dibromochloromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
isopropylbenzene	**2**	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
naphthalene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**96**	78-114	%	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
toluene-D8 SUR	**102**	88-110	%	1	LMM		1100986	5/26/11	14:44	SW5030B8260B
4-bromofluorobenzene SUR	**104**	86-115	%	1	LMM		1100986	5/26/11	14:44	SW5030B8260B

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-009
Sample ID: GEO-3
Matrix: Water
Received on ice at 10˚C, in satisfactory condition.
Sampled: 5/20/11 10:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
diethyl ether	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
acetone	< 10	10	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
methylene chloride	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
t-butanol (TBA)	< 30	30	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
tetrahydrofuran (THF)	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
tetrachloroethene	**4**	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-009
Sample ID: GEO-3
Matrix: Water
Received on ice at 10˚C, in satisfactory condition.
Sampled: 5/20/11 10:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
dibromochloromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
naphthalene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**91**	78-114	%	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
toluene-D8 SUR	**102**	88-110	%	1	LMM		1100986	5/26/11	15:13	SW5030B8260B
4-bromofluorobenzene SUR	**101**	86-115	%	1	LMM		1100986	5/26/11	15:13	SW5030B8260B

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-011
Sample ID: Trip Blank
Matrix: Water
Received on ice at 10˚C, in satisfactory condition.
Sampled: 5/20/11

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
dichlorodifluoromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
chloromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
vinyl chloride	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
bromomethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
chloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
trichlorofluoromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
diethyl ether	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
acetone	< 10	10	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,1-dichloroethene	< 1	1	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
methylene chloride	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
carbon disulfide	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
trans-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
isopropyl ether (DIPE)	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
ethyl t-butyl ether (ETBE)	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,1-dichloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
t-butanol (TBA)	< 30	30	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
2-butanone (MEK)	< 10	10	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
2,2-dichloropropane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
cis-1,2-dichloroethene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
chloroform	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
bromochloromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
tetrahydrofuran (THF)	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,1,1-trichloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,1-dichloropropene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
t-amyl-methyl ether (TAME)	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
carbon tetrachloride	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
trichloroethene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,2-dichloropropane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
bromodichloromethane	< 0.6	0.6	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,4-dioxane	< 50	50	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
dibromomethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
4-methyl-2-pentanone (MIBK)	< 10	10	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
cis-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
trans-1,3-dichloropropene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
2-hexanone	< 10	10	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,1,2-trichloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,3-dichloropropane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
tetrachloroethene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-011
Sample ID: Trip Blank
Matrix: Water
Received on ice at 10˚C, in satisfactory condition.
Sampled: 5/20/11

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
dibromochloromethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
chlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,1,1,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
styrene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
bromoform	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
isopropylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,1,2,2-tetrachloroethane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,2,3-trichloropropane	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
n-propylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
bromobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
2-chlorotoluene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
4-chlorotoluene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
tert-butylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
sec-butylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,3-dichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
4-isopropyltoluene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,4-dichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,2-dichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
n-butylbenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,2-dibromo-3-chloropropane (DBCP)	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,2,4-trichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
hexachlorobutadiene	< 0.5	0.5	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
naphthalene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
1,2,3-trichlorobenzene	< 2	2	ug/L	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**93**	78-114	%	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
toluene-D8 SUR	**101**	88-110	%	1	LMM		1100986	5/26/11	11:46	SW5030B8260B
4-bromofluorobenzene SUR	**93**	86-115	%	1	LMM		1100986	5/26/11	11:46	SW5030B8260B

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-001
Sample ID: H-1
Matrix: Water
Received on ice at 10˚C, in satisfactory condition.
Sampled: 5/20/11 8:35

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Unadjusted C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	11:38	MA VPH
Unadjusted C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	11:38	MA VPH
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1100983	5/26/11	11:38	MA VPH
benzene	< 1	1	ug/L	1	LMM		1100983	5/26/11	11:38	MA VPH
toluene	< 2	2	ug/L	1	LMM		1100983	5/26/11	11:38	MA VPH
ethylbenzene	< 2	2	ug/L	1	LMM		1100983	5/26/11	11:38	MA VPH
m&p-xylenes	< 2	2	ug/L	1	LMM		1100983	5/26/11	11:38	MA VPH
o-xylene	< 2	2	ug/L	1	LMM		1100983	5/26/11	11:38	MA VPH
naphthalene	< 5	5	ug/L	1	LMM		1100983	5/26/11	11:38	MA VPH
C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	11:38	MA VPH
C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	11:38	MA VPH
C9-C10 Aromatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	11:38	MA VPH
Surrogate Recovery		**Limits**								
2,5-dibromotoluene as Aromatic SUR	**94**	70-130	%	1	LMM		1100983	5/26/11	11:38	MA VPH
2,5-dibromotoluene as Aliphatic SUR	**93**	70-130	%	1	LMM		1100983	5/26/11	11:38	MA VPH

Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in that range.
C9-C12 Aliphatic Hydrocarbons exclude concentration of target analytes eluting in that range AND C9-C10 Aromatics.

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-003
Sample ID: MW-201
Matrix: Water
Received on ice at 10˚C, in satisfactory condition.
Sampled: 5/20/11 8:45

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Unadjusted C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	12:11	MA VPH
Unadjusted C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	12:11	MA VPH
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1100983	5/26/11	12:11	MA VPH
benzene	< 1	1	ug/L	1	LMM		1100983	5/26/11	12:11	MA VPH
toluene	< 2	2	ug/L	1	LMM		1100983	5/26/11	12:11	MA VPH
ethylbenzene	< 2	2	ug/L	1	LMM		1100983	5/26/11	12:11	MA VPH
m&p-xylenes	< 2	2	ug/L	1	LMM		1100983	5/26/11	12:11	MA VPH
o-xylene	< 2	2	ug/L	1	LMM		1100983	5/26/11	12:11	MA VPH
naphthalene	< 5	5	ug/L	1	LMM		1100983	5/26/11	12:11	MA VPH
C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	12:11	MA VPH
C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	12:11	MA VPH
C9-C10 Aromatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	12:11	MA VPH
Surrogate Recovery		**Limits**								
2,5-dibromotoluene as Aromatic SUR	**87**	70-130	%	1	LMM		1100983	5/26/11	12:11	MA VPH
2,5-dibromotoluene as Aliphatic SUR	**86**	70-130	%	1	LMM		1100983	5/26/11	12:11	MA VPH

Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in that range.
C9-C12 Aliphatic Hydrocarbons exclude concentration of target analytes eluting in that range AND C9-C10 Aromatics.

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-004
Sample ID: MW-202
Matrix: Water
Received on ice at 10˚C, in satisfactory condition.
Sampled: 5/20/11 8:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Unadjusted C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	12:45	MA VPH
Unadjusted C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	12:45	MA VPH
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1100983	5/26/11	12:45	MA VPH
benzene	< 1	1	ug/L	1	LMM		1100983	5/26/11	12:45	MA VPH
toluene	< 2	2	ug/L	1	LMM		1100983	5/26/11	12:45	MA VPH
ethylbenzene	< 2	2	ug/L	1	LMM		1100983	5/26/11	12:45	MA VPH
m&p-xylenes	< 2	2	ug/L	1	LMM		1100983	5/26/11	12:45	MA VPH
o-xylene	< 2	2	ug/L	1	LMM		1100983	5/26/11	12:45	MA VPH
naphthalene	< 5	5	ug/L	1	LMM		1100983	5/26/11	12:45	MA VPH
C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	12:45	MA VPH
C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	12:45	MA VPH
C9-C10 Aromatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	12:45	MA VPH
Surrogate Recovery		**Limits**								
2,5-dibromotoluene as Aromatic SUR	**99**	70-130	%	1	LMM		1100983	5/26/11	12:45	MA VPH
2,5-dibromotoluene as Aliphatic SUR	**100**	70-130	%	1	LMM		1100983	5/26/11	12:45	MA VPH

Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in that range.
C9-C12 Aliphatic Hydrocarbons exclude concentration of target analytes eluting in that range AND C9-C10 Aromatics.

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-005
Sample ID: MW-203
Matrix: Water
Received on ice at 10˚C, in satisfactory condition.
Sampled: 5/20/11 9:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Unadjusted C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	13:18	MA VPH
Unadjusted C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	13:18	MA VPH
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1100983	5/26/11	13:18	MA VPH
benzene	< 1	1	ug/L	1	LMM		1100983	5/26/11	13:18	MA VPH
toluene	< 2	2	ug/L	1	LMM		1100983	5/26/11	13:18	MA VPH
ethylbenzene	< 2	2	ug/L	1	LMM		1100983	5/26/11	13:18	MA VPH
m&p-xylenes	< 2	2	ug/L	1	LMM		1100983	5/26/11	13:18	MA VPH
o-xylene	< 2	2	ug/L	1	LMM		1100983	5/26/11	13:18	MA VPH
naphthalene	< 5	5	ug/L	1	LMM		1100983	5/26/11	13:18	MA VPH
C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	13:18	MA VPH
C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	13:18	MA VPH
C9-C10 Aromatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	13:18	MA VPH
Surrogate Recovery		**Limits**								
2,5-dibromotoluene as Aromatic SUR	**86**	70-130	%	1	LMM		1100983	5/26/11	13:18	MA VPH
2,5-dibromotoluene as Aliphatic SUR	**87**	70-130	%	1	LMM		1100983	5/26/11	13:18	MA VPH

Note: The sample pH was greater than 2, indicating inadequate preservation.

Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.

C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in that range.

C9-C12 Aliphatic Hydrocarbons exclude concentration of target analytes eluting in that range AND C9-C10 Aromatics.

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-006
Sample ID: MW-204
Matrix: Water
Received on ice at 10˚C, in satisfactory condition.
Sampled: 5/20/11 11:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Unadjusted C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	13:51	MA VPH
Unadjusted C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	13:51	MA VPH
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1100983	5/26/11	13:51	MA VPH
benzene	< 1	1	ug/L	1	LMM		1100983	5/26/11	13:51	MA VPH
toluene	< 2	2	ug/L	1	LMM		1100983	5/26/11	13:51	MA VPH
ethylbenzene	< 2	2	ug/L	1	LMM		1100983	5/26/11	13:51	MA VPH
m&p-xylenes	< 2	2	ug/L	1	LMM		1100983	5/26/11	13:51	MA VPH
o-xylene	< 2	2	ug/L	1	LMM		1100983	5/26/11	13:51	MA VPH
naphthalene	< 5	5	ug/L	1	LMM		1100983	5/26/11	13:51	MA VPH
C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	13:51	MA VPH
C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	13:51	MA VPH
C9-C10 Aromatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	13:51	MA VPH
Surrogate Recovery		**Limits**								
2,5-dibromotoluene as Aromatic SUR	**86**	70-130	%	1	LMM		1100983	5/26/11	13:51	MA VPH
2,5-dibromotoluene as Aliphatic SUR	**85**	70-130	%	1	LMM		1100983	5/26/11	13:51	MA VPH

Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in that range.
C9-C12 Aliphatic Hydrocarbons exclude concentration of target analytes eluting in that range AND C9-C10 Aromatics.

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-007
Sample ID: MW-205
Matrix: Water
Received on ice at 10˚C, in satisfactory condition.
Sampled: 5/20/11 9:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Unadjusted C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	14:24	MA VPH
Unadjusted C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	14:24	MA VPH
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1100983	5/26/11	14:24	MA VPH
benzene	< 1	1	ug/L	1	LMM		1100983	5/26/11	14:24	MA VPH
toluene	< 2	2	ug/L	1	LMM		1100983	5/26/11	14:24	MA VPH
ethylbenzene	< 2	2	ug/L	1	LMM		1100983	5/26/11	14:24	MA VPH
m&p-xylenes	< 2	2	ug/L	1	LMM		1100983	5/26/11	14:24	MA VPH
o-xylene	< 2	2	ug/L	1	LMM		1100983	5/26/11	14:24	MA VPH
naphthalene	< 5	5	ug/L	1	LMM		1100983	5/26/11	14:24	MA VPH
C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	14:24	MA VPH
C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	14:24	MA VPH
C9-C10 Aromatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	14:24	MA VPH
Surrogate Recovery		**Limits**								
2,5-dibromotoluene as Aromatic SUR	**98**	70-130	%	1	LMM		1100983	5/26/11	14:24	MA VPH
2,5-dibromotoluene as Aliphatic SUR	**94**	70-130	%	1	LMM		1100983	5/26/11	14:24	MA VPH

Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in that range.
C9-C12 Aliphatic Hydrocarbons exclude concentration of target analytes eluting in that range AND C9-C10 Aromatics.

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-008
Sample ID: GEO-2
Matrix: Water
Received on ice at 10˚C, in satisfactory condition.
Sampled: 5/20/11 10:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Unadjusted C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	14:58	MA VPH
Unadjusted C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	14:58	MA VPH
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1100983	5/26/11	14:58	MA VPH
benzene	< 1	1	ug/L	1	LMM		1100983	5/26/11	14:58	MA VPH
toluene	< 2	2	ug/L	1	LMM		1100983	5/26/11	14:58	MA VPH
ethylbenzene	< 2	2	ug/L	1	LMM		1100983	5/26/11	14:58	MA VPH
m&p-xylenes	< 2	2	ug/L	1	LMM		1100983	5/26/11	14:58	MA VPH
o-xylene	< 2	2	ug/L	1	LMM		1100983	5/26/11	14:58	MA VPH
naphthalene	< 5	5	ug/L	1	LMM		1100983	5/26/11	14:58	MA VPH
C5-C8 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	14:58	MA VPH
C9-C12 Aliphatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	14:58	MA VPH
C9-C10 Aromatics	< 100	100	ug/L	1	LMM		1100983	5/26/11	14:58	MA VPH
Surrogate Recovery		**Limits**								
2,5-dibromotoluene as Aromatic SUR	**92**	70-130	%	1	LMM		1100983	5/26/11	14:58	MA VPH
2,5-dibromotoluene as Aliphatic SUR	**93**	70-130	%	1	LMM		1100983	5/26/11	14:58	MA VPH

Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in that range.
C9-C12 Aliphatic Hydrocarbons exclude concentration of target analytes eluting in that range AND C9-C10 Aromatics.

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-001
Sample ID: H-1
Matrix: Water
Sampled: 5/20/11 8:35

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
phenanthrene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
acenaphthene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
fluorene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
anthracene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
fluoranthene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
pyrene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
benzo(a)anthracene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
chrysene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
benzo(b)fluoranthene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
benzo(k)fluoranthene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
benzo(a)pyrene	< 0.2	0.2	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
indeno(1,2,3-cd)pyrene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
dibenzo(a,h)anthracene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
benzo(g,h,i)perylene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	0:32	MA EPH
Unadjusted C11-C22 Aromatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/26/11	23:24	MA EPH
C9-C18 Aliphatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	5:40	MA EPH
C19-C36 Aliphatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	5:40	MA EPH
C11-C22 Aromatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/26/11	23:24	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**42**	40-140	%	1	JLZ	5/25/11	4201	5/27/11	5:40	MA EPH
o-terphenyl SUR	**53**	40-140	%	1	JLZ	5/25/11	4201	5/26/11	23:24	MA EPH
2-fluorobiphenyl SUR	**92**	40-140	%	1	JLZ	5/25/11	4201	5/26/11	23:24	MA EPH
2-bromonaphthalene SUR	**102**	40-140	%	1	JLZ	5/25/11	4201	5/26/11	23:24	MA EPH

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-003
Sample ID: MW-201
Matrix: Water
Sampled: 5/20/11 8:45

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	**3.6**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
2-methylnaphthalene	**2.2**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
phenanthrene	**60**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
acenaphthene	**3.5**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
acenaphthylene	**1.3**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
fluorene	**4.6**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
anthracene	**12**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
fluoranthene	**67**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
pyrene	**61**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
benzo(a)anthracene	**35**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
chrysene	**35**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
benzo(b)fluoranthene	**23**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
benzo(k)fluoranthene	**24**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
benzo(a)pyrene	**26**	0.2	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
indeno(1,2,3-cd)pyrene	**10.0**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
dibenzo(a,h)anthracene	**4.9**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
benzo(g,h,i)perylene	**9.1**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:41	MA EPH
Unadjusted C11-C22 Aromatics	**1100**	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	23:01	MA EPH
C9-C18 Aliphatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	12:49	MA EPH
C19-C36 Aliphatics	**230**	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	12:49	MA EPH
C11-C22 Aromatics	**750**	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	23:01	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**24** *	40-140	%	1	JLZ	5/25/11	4201	5/27/11	12:49	MA EPH
o-terphenyl SUR	**33** *	40-140	%	1	JLZ	5/25/11	4201	5/27/11	23:01	MA EPH
2-fluorobiphenyl SUR	**90**	40-140	%	1	JLZ	5/25/11	4201	5/27/11	23:01	MA EPH
2-bromonaphthalene SUR	**100**	40-140	%	1	JLZ	5/25/11	4201	5/27/11	23:01	MA EPH

**** This surrogate is low due to heavy emulsion formation during extraction. No additional sample remains for re-analysis.***

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-004
Sample ID: MW-202
Matrix: Water
Sampled: 5/20/11 8:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
2-methylnaphthalene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
phenanthrene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
acenaphthene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
acenaphthylene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
fluorene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
anthracene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
fluoranthene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
pyrene	**5.8**	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
benzo(a)anthracene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
chrysene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
benzo(b)fluoranthene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
benzo(k)fluoranthene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
benzo(a)pyrene	< 2.0	2.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
indeno(1,2,3-cd)pyrene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
dibenzo(a,h)anthracene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
benzo(g,h,i)perylene	< 5.0	5.0	ug/L	10	AJD	5/25/11	4201	6/2/11	14:02	MA EPH
Unadjusted C11-C22 Aromatics	**2900**	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	23:23	MA EPH
C9-C18 Aliphatics	**810**	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	13:08	MA EPH
C19-C36 Aliphatics	**5800**	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	13:08	MA EPH
C11-C22 Aromatics	**2900**	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	23:23	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**14** *	40-140	%	1	JLZ	5/25/11	4201	5/27/11	13:08	MA EPH
o-terphenyl SUR	**25** *	40-140	%	1	JLZ	5/25/11	4201	5/27/11	23:23	MA EPH
2-fluorobiphenyl SUR	**92**	40-140	%	1	JLZ	5/25/11	4201	5/27/11	23:23	MA EPH
2-bromonaphthalene SUR	**118**	40-140	%	1	JLZ	5/25/11	4201	5/27/11	23:23	MA EPH

**** The surrogate showed recovery outside the acceptance limits as a result of co-eluting hydrocarbons. The chromatogram is included for reference.***

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-005
Sample ID: MW-203
Matrix: Water
Sampled: 5/20/11 9:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	**2.3**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
2-methylnaphthalene	**1.3**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
phenanthrene	**46**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
acenaphthene	**3.6**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
fluorene	**4.5**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
anthracene	**10**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
fluoranthene	**41**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
pyrene	**38**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
benzo(a)anthracene	**19**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
chrysene	**19**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
benzo(b)fluoranthene	**12**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
benzo(k)fluoranthene	**10**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
benzo(a)pyrene	**14**	0.2	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
indeno(1,2,3-cd)pyrene	**6.4**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
dibenzo(a,h)anthracene	**3.3**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
benzo(g,h,i)perylene	**6.3**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	3:03	MA EPH
Unadjusted C11-C22 Aromatics	**760**	110	ug/L	1	JLZ	5/25/11	4201	5/27/11	23:46	MA EPH
C9-C18 Aliphatics	< 110	110	ug/L	1	JLZ	5/25/11	4201	5/27/11	16:20	MA EPH
C19-C36 Aliphatics	**480**	110	ug/L	1	JLZ	5/25/11	4201	5/27/11	16:20	MA EPH
C11-C22 Aromatics	**530**	110	ug/L	1	JLZ	5/25/11	4201	5/27/11	23:46	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**9** *	40-140	%	1	JLZ	5/25/11	4201	5/27/11	16:20	MA EPH
o-terphenyl SUR	**11** *	40-140	%	1	JLZ	5/25/11	4201	5/27/11	23:46	MA EPH
2-fluorobiphenyl SUR	**88**	40-140	%	1	JLZ	5/25/11	4201	5/27/11	23:46	MA EPH
2-bromonaphthalene SUR	**95**	40-140	%	1	JLZ	5/25/11	4201	5/27/11	23:46	MA EPH

**** This surrogate is low due to heavy sediment present in the sample. No additional sample remains for re-analysis.***

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-006
Sample ID: MW-204
Matrix: Water
Sampled: 5/20/11 11:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
phenanthrene	**2.9**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
acenaphthene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
fluorene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
anthracene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
fluoranthene	**3.9**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
pyrene	**4.0**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
benzo(a)anthracene	**1.8**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
chrysene	**1.8**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
benzo(b)fluoranthene	**1.4**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
benzo(k)fluoranthene	**1.2**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
benzo(a)pyrene	**1.6**	0.2	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
indeno(1,2,3-cd)pyrene	**0.9**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
dibenzo(a,h)anthracene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
benzo(g,h,i)perylene	**1.2**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:10	MA EPH
Unadjusted C11-C22 Aromatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/28/11	0:08	MA EPH
C9-C18 Aliphatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	16:39	MA EPH
C19-C36 Aliphatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	16:39	MA EPH
C11-C22 Aromatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/28/11	0:08	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**21** *	40-140	%	1	JLZ	5/25/11	4201	5/27/11	16:39	MA EPH
o-terphenyl SUR	**34** *	40-140	%	1	JLZ	5/25/11	4201	5/28/11	0:08	MA EPH
2-fluorobiphenyl SUR	**93**	40-140	%	1	JLZ	5/25/11	4201	5/28/11	0:08	MA EPH
2-bromonaphthalene SUR	**104**	40-140	%	1	JLZ	5/25/11	4201	5/28/11	0:08	MA EPH

**** This surrogate is low due to heavy sediment present in the sample. No additional sample remains for re-analysis.***

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-007
Sample ID: MW-205
Matrix: Water
Sampled: 5/20/11 9:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
phenanthrene	**4.2**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
acenaphthene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
fluorene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
anthracene	**1.0**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
fluoranthene	**6.9**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
pyrene	**6.5**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
benzo(a)anthracene	**3.9**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
chrysene	**4.0**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
benzo(b)fluoranthene	**2.6**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
benzo(k)fluoranthene	**2.8**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
benzo(a)pyrene	**3.3**	0.2	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
indeno(1,2,3-cd)pyrene	**1.8**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
dibenzo(a,h)anthracene	**0.8**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
benzo(g,h,i)perylene	**1.9**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	2:25	MA EPH
Unadjusted C11-C22 Aromatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/28/11	0:31	MA EPH
C9-C18 Aliphatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	16:57	MA EPH
C19-C36 Aliphatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	16:57	MA EPH
C11-C22 Aromatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/28/11	0:31	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**40**	40-140	%	1	JLZ	5/25/11	4201	5/27/11	16:57	MA EPH
o-terphenyl SUR	**52**	40-140	%	1	JLZ	5/25/11	4201	5/28/11	0:31	MA EPH
2-fluorobiphenyl SUR	**92**	40-140	%	1	JLZ	5/25/11	4201	5/28/11	0:31	MA EPH
2-bromonaphthalene SUR	**107**	40-140	%	1	JLZ	5/25/11	4201	5/28/11	0:31	MA EPH

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-008
Sample ID: GEO-2
Matrix: Water
Sampled: 5/20/11 10:15

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
naphthalene	**0.6**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
2-methylnaphthalene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
phenanthrene	**9.7**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
acenaphthene	**1.4**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
acenaphthylene	< 0.5	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
fluorene	**1.7**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
anthracene	**3.0**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
fluoranthene	**17**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
pyrene	**18**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
benzo(a)anthracene	**10**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
chrysene	**9.4**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
benzo(b)fluoranthene	**6.5**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
benzo(k)fluoranthene	**6.0**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
benzo(a)pyrene	**8.4**	0.2	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
indeno(1,2,3-cd)pyrene	**4.2**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
dibenzo(a,h)anthracene	**2.1**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
benzo(g,h,i)perylene	**4.4**	0.5	ug/L	1	AJD	5/25/11	4201	5/27/11	1:48	MA EPH
Unadjusted C11-C22 Aromatics	**240**	100	ug/L	1	JLZ	5/25/11	4201	5/28/11	0:53	MA EPH
C9-C18 Aliphatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	17:15	MA EPH
C19-C36 Aliphatics	< 100	100	ug/L	1	JLZ	5/25/11	4201	5/27/11	17:15	MA EPH
C11-C22 Aromatics	**140**	100	ug/L	1	JLZ	5/25/11	4201	5/28/11	0:53	MA EPH
Surrogate Recovery		**Limits**								
1-chloro-octadecane SUR	**20** *	40-140	%	1	JLZ	5/25/11	4201	5/27/11	17:15	MA EPH
o-terphenyl SUR	**28** *	40-140	%	1	JLZ	5/25/11	4201	5/28/11	0:53	MA EPH
2-fluorobiphenyl SUR	**96**	40-140	%	1	JLZ	5/25/11	4201	5/28/11	0:53	MA EPH
2-bromonaphthalene SUR	**102**	40-140	%	1	JLZ	5/25/11	4201	5/28/11	0:53	MA EPH

**** This surrogate is low due to heavy emulsion formation during extraction. No additional sample remains for re-analysis.***

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599

Sample#: 21599-001
Sample ID: H-1
Matrix: Water
Sampled: 5/20/11 8:35

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	< 0.008	0.008	mg/L	1	BJS		1100946	5/23/11	16:19	SW3005A6010C
Nickel	< 0.05	0.05	mg/L	1	BJS		1100946	5/23/11	16:19	SW3005A6010C

Sample#: 21599-003
Sample ID: MW-201
Matrix: Water
Sampled: 5/20/11 8:45

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	**0.28**	0.008	mg/L	1	BJS		1100946	5/23/11	16:28	SW3005A6010C
Nickel	< 0.05	0.05	mg/L	1	BJS		1100946	5/23/11	16:28	SW3005A6010C

Sample#: 21599-004
Sample ID: MW-202
Matrix: Water
Sampled: 5/20/11 8:50

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	< 0.008	0.008	mg/L	1	BJS		1100946	5/23/11	16:38	SW3005A6010C
Nickel	< 0.05	0.05	mg/L	1	BJS		1100946	5/23/11	16:38	SW3005A6010C

Sample#: 21599-005
Sample ID: MW-203
Matrix: Water
Sampled: 5/20/11 9:25

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	**0.15**	0.008	mg/L	1	BJS		1100946	5/23/11	16:43	SW3005A6010C
Nickel	< 0.05	0.05	mg/L	1	BJS		1100946	5/23/11	16:43	SW3005A6010C

Sample#: 21599-006
Sample ID: MW-204
Matrix: Water
Sampled: 5/20/11 11:30

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	**0.11**	0.008	mg/L	1	BJS		1100946	5/23/11	16:50	SW3005A6010C
Nickel	< 0.05	0.05	mg/L	1	BJS		1100946	5/23/11	16:50	SW3005A6010C

Sample#: 21599-007
Sample ID: MW-205
Matrix: Water
Sampled: 5/20/11 9:00

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Analysis Time	Reference
Lead	< 0.008	0.008	mg/L	1	BJS		1100946	5/23/11	16:59	SW3005A6010C
Nickel	< 0.05	0.05	mg/L	1	BJS		1100946	5/23/11	16:59	SW3005A6010C

Absolute Resource associates

Project ID: South Boston 6371-000
Job ID: 21599
Sample#: 21599-010
Sample ID: GEO/MW-103
Matrix: Water
Sampled: 5/20/11 9:10

Parameter	Result	Quant Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Antimony	< 0.006	0.006	mg/L	1	BJS		1100946	5/25/11	14:30	SW3005A6010C
Arsenic	**0.017**	0.008	mg/L	1	BJS		1100946	5/25/11	14:30	SW3005A6010C
Barium	**0.08**	0.05	mg/L	1	BJS		1100946	5/25/11	14:30	SW3005A6010C
Beryllium	< 0.004	0.004	mg/L	1	BJS		1100946	5/25/11	14:30	SW3005A6010C
Cadmium	< 0.004	0.004	mg/L	1	BJS		1100946	5/25/11	14:30	SW3005A6010C
Chromium	< 0.05	0.05	mg/L	1	BJS		1100946	5/25/11	14:30	SW3005A6010C
Lead	< 0.008	0.008	mg/L	1	BJS		1100946	5/25/11	14:30	SW3005A6010C
Mercury	< 0.0002	0.0002	mg/L	1	BJS	6/1/11	4214	6/1/11	17:58	SW7470A
Nickel	< 0.05	0.05	mg/L	1	BJS		1100946	5/25/11	14:30	SW3005A6010C
Selenium	< 0.05	0.05	mg/L	1	BJS		1100946	5/25/11	14:30	SW3005A6010C
Silver	< 0.007	0.007	mg/L	1	BJS		1100946	5/25/11	14:30	SW3005A6010C
Thallium	< 0.002	0.002	mg/L	1	BJS		1100946	5/25/11	14:30	SW3005A6010C
Vanadium	< 0.05	0.05	mg/L	1	BJS		1100946	5/25/11	14:30	SW3005A6010C
Zinc	< 0.05	0.05	mg/L	1	BJS		1100946	5/25/11	14:30	SW3005A6010C

Absolute Resource associates

Quality Control Report

124 Heritage Avenue Unit 10
Portsmouth, NH 03801
www.absoluteresourceassociates.com

MassDEP Analytical Protocol Certification Form

Laboratory Name: **Absolute Resource Associates** Project #: 6371-000

Project Location: Massachusetts RTN:

This Form provides certifications for the following data set: **21599**

Matrices: Groundwater/Surface Water ☑ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocol (check all that apply below):

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 ☐	9014 Total Cyanide/PAC CAM VIA ☐	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 modifications(s)? (Refer to the individual methods for a list of significant modifications). 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 must be addressed in an attached laboratory narrative.

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

Signature: (for) **Position: Lab Director**

Printed Name: Susan C. Sylvester **Date: 6/9/11**

Sample Integrity Table

Parameter	Method	Matrix	Minimum Volume	Recommended Container(s)	Required Preservation	Holding Time
Volatile Organics	EPA 8260	Aqueous	40mL	2 x 40mL VOA Vials with Teflon lined septa	Cool to ≤6°C 1:1 HCl to pH <2	14 Days
Volatile Organics	EPA 8260	Solid	40mL	1 x 40mL VOA Vial with 10mLs Methanol and 1 unpreserved container for percent moisture	Cool to ≤6°C Methanol	14 Days
Semivolatile Organics	EPA 8270	Aqueous	1L	1L Amber Glass Bottle w/Teflon liner	Cool to ≤6°C	7 Days
Semivolatile Organics	EPA 8270	Solid	20g	4oz Amber Glass Jar w/Teflon liner	Cool to ≤6°C	14 Days
Organochlorine Pesticides	EPA 8081	Aqueous	1L	1L Amber Glass Bottle w/Teflon liner	Cool to ≤6°C	7 Days
Organochlorine Pesticides	EPA 8081	Solid	20g	4oz Glass Jar w/Teflon liner	Cool to ≤6°C	14 Days
PCBs	EPA 8082	Aqueous	1L	1L Amber Glass Bottle w/Teflon liner	Cool to ≤6°C	365 Days
PCBs	EPA 8082	Solid	20g	4oz Glass Jar w/Teflon liner	Cool to ≤6°C	365 Days
Herbicides (subcontracted)	EPA 8151	Aqueous	1L	1L Amber Glass Bottle w/Teflon liner	Cool to ≤6°C	7 Days
Herbicides (subcontracted)	EPA 8151	Solid	30g	4oz Glass Jar w/Teflon liner	Cool to ≤6°C	14 Days
MA DEP VPH	MADEP VPH	Aqueous	40mL	2 x 40mL VOA Vials with Teflon lined septa	Cool to ≤6°C 1:1 HCl to pH <2	14 Days
MA DEP VPH	MADEP VPH	Solid	40mL	1 x 40mL VOA Vial with 10mLs Methanol and 1 unpreserved container for percent moisture	Cool to ≤6°C Methanol	28 Days
MA DEP EPH	MADEP EPH	Aqueous	1L	1L Amber Glass Bottle w/Teflon liner	Cool to ≤6°C 1:1 H_2SO_4 to pH <2	14 Days
MA DEP EPH	MADEP EPH	Solid	30g	4oz Amber Glass Jar w/Teflon liner	Cool to ≤6°C	14 Days
Total Metals	EPA 6010	Aqueous	100mL	250mL Polyethylene Bottle	1:1 HNO_3 to pH <2	180 Days
Dissolved Metals	EPA 6010	Aqueous	100mL	250mL Polyethylene Bottle	Filter First 1:1 HNO_3 to pH <2	180 Days
Total Metals	EPA 6010	Solid	15g	4oz Glass Jar w/Teflon liner	Cool to ≤6°C	180 Days
Total Mercury (may be combined with Total Metals)	EPA 7470	Aqueous	100mL	125mL Polyethylene Bottle	1:1 HNO_3 to pH <2	28 Days
Total Mercury (may be combined with Total Metals)	EPA 7471	Solid	15g	4oz Glass Jar w/Teflon liner	Cool to ≤6°C	28 Days
Chromium, Hexavalent	EPA 7196	Aqueous	100mL	125mL Polyethylene Bottle	Cool to ≤6°C (NH4)2SO4 buffer	28 Days
Chromium, Hexavalent (subcontract)	EPA 7196	Solid	15g	4oz Glass Jar w/Teflon liner	Cool to ≤6°C	30 Days
Cyanide, Total	EPA 9014	Aqueous	125mL	125mL Polyethylene Bottle	Cool to ≤6°C 1:1 NaOH to pH >8	14 Days
Cyanide, Total	EPA 9014	Solid	15g	4oz Glass Jar w/Teflon liner	Cool to ≤6°C	14 Days

Absolute Resource associates

Case Narrative
Lab # 21599

Sample Receiving and Chain of Custody Discrepancies

Samples were received in acceptable condition, at 10 degrees C, within 24 hours of sampling, on ice, and in accordance with sample handling, preservation and integrity guidelines.
As noted on the result page, the pH for sample 21599-005 in the VPH analysis was greater than 2, indicating inadequate preservation.

Calibration

See the included table for a list of compounds quantitated by quadratic equation.

Method Blank

No exceptions noted.

Surrogate Recoveries

EPH: The EPH extraction surrogates were below the acceptance criteria in the samples 21599-003 and -008 due to heavy emulsion formation during the sample extraction process. No additional sample remains for re-analysis.
EPH: The EPH extraction surrogates were below the acceptance criteria in sample 21599-004 as a result of co-eluting hydrocarbons. The chromatogram is included in the report for reference.
EPH: The EPH extraction surrogates were below the acceptance criteria in the samples 21599-005 and -006 due to heavy sediment present in the sample bottle. No additional sample remains for re-analysis.

Laboratory Control Sample Results

VOC: The LCS/D1100986 did not meet the acceptance criteria for dichlorodifluoromethane. The LCS1100986 did not meet the acceptance criteria for bromomethane. These compounds are known to be problematic in the method. The LCS/D1100986 did not meet the acceptance criteria for t-butanol (TBA). The LCS1100986 did not meet the acceptance criteria for 1,4-dioxane. These compounds showed high recovery. There is no impact to the data as these analytes were not detected in the associated samples.
EPH: The relative percent difference between the LCS and LCSD4201 was outside the acceptance criteria for benzo(k)fluoranthene. The percent recovery for this analyte in each QC parameter was within the acceptance criteria. No impact to the data suspected.

Matrix Spike/Matrix Spike Duplicate/Duplicate Results

Not requested for this project.

Other

EPH: The fractionation check sample (LCS) for the batch of silica gel in use for these samples met the method acceptance criteria.

MassDEP Analytical Protocol Certification Form Questions A through I

No explanation is needed for Questions A through I answered in the affirmative.
Question E: VPH target compounds and ranges were determined by GC/MS, therefore, Box E is checked "No." Ranges were determined in a similar manner as described in the MADEP APH method of 2/2000.
Question H: EPH: Several EPH extraction surrogate recoveries were outside the acceptance criteria. Box H is "No."
Question I: Metals: The MCP required metals were not requested by the customer. Box I is "No."

Absolute Resource associates

Quantitation by Quadratic Equation
Lab # 21599

Quantitation of the following compounds was based on a quadratic equation

Chloromethane
Bromomethane
Acetone
2-butanone (MEK)
t-amyl-methyl ether (TAME)
Trichloroethene
Bromodichloromethane
4-methyl-2-pentanone (MIBK)
cis-1,3-dichloropropene
trans-1,3-Dichloropropene
Dibromochloromethane
Bromoform
1,1,2,2-Tetrachloroethane
1,2-dibromo-3-chloropropane (DBCP)
1,2,4-trichlorobenzene
naphthalene

- QC Report -

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
MA VPH	BLK1100983	C5-C8 Aliphatics										
		Unadjusted C5-C8 Aliphatics		<	100	ug/L						
		Unadjusted C9-C12 Aliphatics		<	100	ug/L						
		methyl t-butyl ether (MTBE)		<	2	ug/L						
		benzene		<	1	ug/L						
		toluene		<	2	ug/L						
		ethylbenzene		<	2	ug/L						
		m&p-xylenes		<	2	ug/L						
		o-xylene		<	2	ug/L						
		naphthalene		<	5	ug/L						
		C9-C10 Aromatics		<	100	ug/L						
		2,5-dibromotoluene as			98	%			70	130		
		2,5-dibromotoluene as Aliphatic			98	%			70	130		
MA VPH	LCS1100983	C5-C8 Aliphatics										
		Unadjusted C5-C8 Aliphatics			650	ug/L	750	86	70	130		
		Unadjusted C9-C12 Aliphatics			430	ug/L	550	78	70	130		
		methyl t-butyl ether (MTBE)			150	ug/L	150	98	70	130		
		benzene			52	ug/L	50	103	70	130		
		toluene			150	ug/L	150	97	70	130		
		ethylbenzene			41	ug/L	50	83	70	130		
		m&p-xylenes			190	ug/L	200	96	70	130		
		o-xylene			91	ug/L	100	91	70	130		
		naphthalene			100	ug/L	100	102	70	130		
		C9-C10 Aromatics			96	ug/L	100	96	70	130		
		2,5-dibromotoluene as			95	%			70	130		
		2,5-dibromotoluene as Aliphatic			94	%			70	130		
MA VPH	LCSD1100983	C5-C8 Aliphatics										
		Unadjusted C5-C8 Aliphatics			660	ug/L	750	88	70	130	2	25
		Unadjusted C9-C12 Aliphatics			440	ug/L	550	79	70	130	2	25
		methyl t-butyl ether (MTBE)			150	ug/L	150	97	70	130	1	25
		benzene			52	ug/L	50	105	70	130	1	25
		toluene			150	ug/L	150	99	70	130	2	25
		ethylbenzene			46	ug/L	50	92	70	130	11	25
		m&p-xylenes			200	ug/L	200	98	70	130	2	25
		o-xylene			92	ug/L	100	92	70	130	2	25
		naphthalene			110	ug/L	100	106	70	130	3	25
		C9-C10 Aromatics			98	ug/L	100	98	70	130	2	25
		2,5-dibromotoluene as			98	%			70	130		
		2,5-dibromotoluene as Aliphatic			98	%			70	130		

Absolute Resource associates

Method	QC ID	Parameter	Associated Sample		Result	Units Amt Added	%R	Limits	RPD	RPD Limit
SW5030B8260B	BLK1100986	dichlorodifluoromethane		<	2	ug/L				
		chloromethane		<	2	ug/L				
		vinyl chloride		<	2	ug/L				
		bromomethane		<	2	ug/L				
		chloroethane		<	2	ug/L				
		trichlorofluoromethane		<	2	ug/L				
		diethyl ether		<	10	ug/L				
		acetone		<	50	ug/L				
		1,1-dichloroethene		<	1	ug/L				
		methylene chloride		<	5	ug/L				
		carbon disulfide		<	2	ug/L				
		methyl t-butyl ether (MTBE)		<	2	ug/L				
		trans-1,2-dichloroethene		<	2	ug/L				
		isopropyl ether (DIPE)		<	2	ug/L				
		ethyl t-butyl ether (ETBE)		<	2	ug/L				
		1,1-dichloroethane		<	2	ug/L				
		t-butanol (TBA)		<	30	ug/L				
		2-butanone (MEK)		<	10	ug/L				
		2,2-dichloropropane		<	2	ug/L				
		cis-1,2-dichloroethene		<	2	ug/L				
		chloroform		<	2	ug/L				
		bromochloromethane		<	2	ug/L				
		tetrahydrofuran (THF)		<	10	ug/L				
		1,1,1-trichloroethane		<	2	ug/L				
		1,1-dichloropropene		<	2	ug/L				
		t-amyl-methyl ether (TAME)		<	2	ug/L				
		carbon tetrachloride		<	2	ug/L				
		1,2-dichloroethane		<	2	ug/L				
		benzene		<	2	ug/L				
		trichloroethene		<	2	ug/L				
		1,2-dichloropropane		<	2	ug/L				
		bromodichloromethane		<	0.6	ug/L				
		1,4-dioxane		<	50	ug/L				
		dibromomethane		<	2	ug/L				
		4-methyl-2-pentanone (MIBK)		<	10	ug/L				
		cis-1,3-dichloropropene		<	2	ug/L				
		toluene		<	2	ug/L				
		trans-1,3-dichloropropene		<	2	ug/L				
		2-hexanone		<	10	ug/L				
		1,1,2-trichloroethane		<	2	ug/L				
		1,3-dichloropropane		<	2	ug/L				
		tetrachloroethene		<	2	ug/L				
		dibromochloromethane		<	2	ug/L				
		1,2-dibromoethane (EDB)		<	2	ug/L				
		chlorobenzene		<	2	ug/L				
		1,1,1,2-tetrachloroethane		<	2	ug/L				
		ethylbenzene		<	2	ug/L				
		m&p-xylenes		<	2	ug/L				
		o-xylene		<	2	ug/L				
		styrene		<	2	ug/L				
		bromoform		<	2	ug/L				

Method	QC ID	Parameter	Associated Sample		Result	Units Amt Added	%R	Limits		RPD	RPD Limit
SW5030B8260B	BLK1100986	isopropylbenzene		<	2	ug/L					
		1,1,2,2-tetrachloroethane		<	2	ug/L					
		1,2,3-trichloropropane		<	2	ug/L					
		n-propylbenzene		<	2	ug/L					
		bromobenzene		<	2	ug/L					
		1,3,5-trimethylbenzene		<	2	ug/L					
		2-chlorotoluene		<	2	ug/L					
		4-chlorotoluene		<	2	ug/L					
		tert-butylbenzene		<	2	ug/L					
		1,2,4-trimethylbenzene		<	2	ug/L					
		sec-butylbenzene		<	2	ug/L					
		1,3-dichlorobenzene		<	2	ug/L					
		4-isopropyltoluene		<	2	ug/L					
		1,4-dichlorobenzene		<	2	ug/L					
		1,2-dichlorobenzene		<	2	ug/L					
		n-butylbenzene		<	2	ug/L					
		1,2-dibromo-3-chloropropane		<	2	ug/L					
		1,2,4-trichlorobenzene		<	2	ug/L					
		hexachlorobutadiene		<	0.5	ug/L					
		naphthalene		<	5	ug/L					
		1,2,3-trichlorobenzene		<	2	ug/L					
		dibromofluoromethane SUR			96	%		78	114		
		toluene-D8 SUR			99	%		88	110		
		4-bromofluorobenzene SUR			96	%		86	115		

Absolute Resource associates

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD	RPD Limit
SW5030B8260B	LCS1100986	dichlorodifluoromethane			13	ug/L	20	64	*	70	130		
		chloromethane			17	ug/L	20	86		70	130		
		vinyl chloride			18	ug/L	20	90		70	130		
		bromomethane			13	ug/L	20	67	*	70	130		
		chloroethane			21	ug/L	20	103		70	130		
		trichlorofluoromethane			19	ug/L	20	93		70	130		
		diethyl ether			23	ug/L	20	114		70	130		
		acetone		<	50	ug/L	20	141					
		1,1-dichloroethene			18	ug/L	20	92		70	130		
		methylene chloride			21	ug/L	20	107		70	130		
		carbon disulfide			18	ug/L	20	90		70	130		
		methyl t-butyl ether (MTBE)			22	ug/L	20	111		70	130		
		trans-1,2-dichloroethene			20	ug/L	20	101		70	130		
		isopropyl ether (DIPE)			23	ug/L	20	114		70	130		
		ethyl t-butyl ether (ETBE)			23	ug/L	20	115		70	130		
		1,1-dichloroethane			20	ug/L	20	99		70	130		
		t-butanol (TBA)			140	ug/L	100	136	*	70	130		
		2-butanone (MEK)			26	ug/L	20	129		70	130		
		2,2-dichloropropane			18	ug/L	20	88		70	130		
		cis-1,2-dichloroethene			21	ug/L	20	105		70	130		
		chloroform			20	ug/L	20	102		70	130		
		bromochloromethane			22	ug/L	20	109		70	130		
		tetrahydrofuran (THF)			23	ug/L	20	113		70	130		
		1,1,1-trichloroethane			21	ug/L	20	105		70	130		
		1,1-dichloropropene			21	ug/L	20	106		70	130		
		t-amyl-methyl ether (TAME)			22	ug/L	20	110		70	130		
		carbon tetrachloride			18	ug/L	20	88		70	130		
		1,2-dichloroethane			21	ug/L	20	105		70	130		
		benzene			22	ug/L	20	109		70	130		
		trichloroethene			21	ug/L	20	103		70	130		
		1,2-dichloropropane			21	ug/L	20	104		70	130		
		bromodichloromethane			19	ug/L	20	97		70	130		
		1,4-dioxane			53	ug/L	40	133	*	70	130		
		dibromomethane			20	ug/L	20	102		70	130		
		4-methyl-2-pentanone (MIBK)			22	ug/L	20	109		70	130		
		cis-1,3-dichloropropene			20	ug/L	20	102		70	130		
		toluene			23	ug/L	20	113		70	130		
		trans-1,3-dichloropropene			19	ug/L	20	95		70	130		
		2-hexanone			24	ug/L	20	119		70	130		
		1,1,2-trichloroethane			20	ug/L	20	100		70	130		
		1,3-dichloropropane			21	ug/L	20	104		70	130		
		tetrachloroethene			21	ug/L	20	106		70	130		
		dibromochloromethane			18	ug/L	20	89		70	130		
		1,2-dibromoethane (EDB)			20	ug/L	20	98		70	130		
		chlorobenzene			20	ug/L	20	101		70	130		
		1,1,1,2-tetrachloroethane			20	ug/L	20	101		70	130		
		ethylbenzene			22	ug/L	20	109		70	130		
		m&p-xylenes			44	ug/L	40	110		70	130		
		o-xylene			22	ug/L	20	110		70	130		
		styrene			20	ug/L	20	100		70	130		
		bromoform			17	ug/L	20	85		70	130		

Absolute Resource associates

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW5030B8260B	LCS1100986	isopropylbenzene		19	ug/L	20	93	70	130		
		1,1,2,2-tetrachloroethane		20	ug/L	20	102	70	130		
		1,2,3-trichloropropane		20	ug/L	20	101	70	130		
		n-propylbenzene		22	ug/L	20	109	70	130		
		bromobenzene		22	ug/L	20	110	70	130		
		1,3,5-trimethylbenzene		20	ug/L	20	102	70	130		
		2-chlorotoluene		22	ug/L	20	110	70	130		
		4-chlorotoluene		20	ug/L	20	101	70	130		
		tert-butylbenzene		20	ug/L	20	102	70	130		
		1,2,4-trimethylbenzene		21	ug/L	20	107	70	130		
		sec-butylbenzene		20	ug/L	20	99	70	130		
		1,3-dichlorobenzene		21	ug/L	20	106	70	130		
		4-isopropyltoluene		19	ug/L	20	93	70	130		
		1,4-dichlorobenzene		21	ug/L	20	104	70	130		
		1,2-dichlorobenzene		21	ug/L	20	103	70	130		
		n-butylbenzene		18	ug/L	20	89	70	130		
		1,2-dibromo-3-chloropropane		18	ug/L	20	90	70	130		
		1,2,4-trichlorobenzene		20	ug/L	20	99	70	130		
		hexachlorobutadiene		17	ug/L	20	86	70	130		
		naphthalene		21	ug/L	20	106	70	130		
		1,2,3-trichlorobenzene		19	ug/L	20	93	70	130		
		dibromofluoromethane SUR		101	%			78	114		
		toluene-D8 SUR		105	%			88	110		
		4-bromofluorobenzene SUR		109	%			86	115		

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R		Limits		RPD		RPD Limit
SW5030B8260B	LCSD1100986	dichlorodifluoromethane			13	ug/L	20	65	*	70	130	2		20
		chloromethane			18	ug/L	20	90		70	130	4		20
		vinyl chloride			18	ug/L	20	89		70	130	1		20
		bromomethane			18	ug/L	20	90		70	130	29	*	20
		chloroethane			21	ug/L	20	104		70	130	1		20
		trichlorofluoromethane			19	ug/L	20	96		70	130	3		20
		diethyl ether			21	ug/L	20	106		70	130	8		20
		acetone		<	50	ug/L	20	131				7		20
		1,1-dichloroethene			18	ug/L	20	88		70	130	4		20
		methylene chloride			20	ug/L	20	101		70	130	6		20
		carbon disulfide			18	ug/L	20	89		70	130	2		20
		methyl t-butyl ether (MTBE)			22	ug/L	20	109		70	130	1		20
		trans-1,2-dichloroethene			20	ug/L	20	99		70	130	1		20
		isopropyl ether (DIPE)			22	ug/L	20	109		70	130	5		20
		ethyl t-butyl ether (ETBE)			22	ug/L	20	111		70	130	3		20
		1,1-dichloroethane			20	ug/L	20	98		70	130	2		20
		t-butanol (TBA)			130	ug/L	100	132	*	70	130	3		20
		2-butanone (MEK)			26	ug/L	20	129		70	130	0		20
		2,2-dichloropropane			17	ug/L	20	85		70	130	3		20
		cis-1,2-dichloroethene			22	ug/L	20	110		70	130	5		20
		chloroform			20	ug/L	20	102		70	130	0		20
		bromochloromethane			21	ug/L	20	106		70	130	2		20
		tetrahydrofuran (THF)			22	ug/L	20	110		70	130	2		20
		1,1,1-trichloroethane			21	ug/L	20	105		70	130	0		20
		1,1-dichloropropene			21	ug/L	20	103		70	130	2		20
		t-amyl-methyl ether (TAME)			22	ug/L	20	110		70	130	0		20
		carbon tetrachloride			17	ug/L	20	86		70	130	3		20
		1,2-dichloroethane			21	ug/L	20	105		70	130	1		20
		benzene			22	ug/L	20	108		70	130	1		20
		trichloroethene			21	ug/L	20	105		70	130	2		20
		1,2-dichloropropane			20	ug/L	20	99		70	130	5		20
		bromodichloromethane			20	ug/L	20	99		70	130	3		20
		1,4-dioxane			51	ug/L	40	128		70	130	4		20
		dibromomethane			21	ug/L	20	106		70	130	3		20
		4-methyl-2-pentanone (MIBK)			22	ug/L	20	108		70	130	1		20
		cis-1,3-dichloropropene			20	ug/L	20	99		70	130	3		20
		toluene			22	ug/L	20	110		70	130	2		20
		trans-1,3-dichloropropene			20	ug/L	20	98		70	130	3		20
		2-hexanone			26	ug/L	20	130		70	130	8		20
		1,1,2-trichloroethane			21	ug/L	20	107		70	130	7		20
		1,3-dichloropropane			20	ug/L	20	99		70	130	6		20
		tetrachloroethene			20	ug/L	20	101		70	130	5		20
		dibromochloromethane			18	ug/L	20	88		70	130	1		20
		1,2-dibromoethane (EDB)			19	ug/L	20	94		70	130	5		20
		chlorobenzene			19	ug/L	20	97		70	130	4		20
		1,1,1,2-tetrachloroethane			20	ug/L	20	98		70	130	3		20
		ethylbenzene			21	ug/L	20	104		70	130	5		20
		m&p-xylenes			42	ug/L	40	106		70	130	4		20
		o-xylene			22	ug/L	20	108		70	130	1		20
		styrene			19	ug/L	20	94		70	130	6		20
		bromoform			17	ug/L	20	83		70	130	2		20

Method	QC ID	Parameter	Associated Sample	Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW5030B8260B	LCSD1100986	isopropylbenzene		18	ug/L	20	89	70	130	4	20
		1,1,2,2-tetrachloroethane		21	ug/L	20	104	70	130	2	20
		1,2,3-trichloropropane		22	ug/L	20	110	70	130	9	20
		n-propylbenzene		22	ug/L	20	111	70	130	2	20
		bromobenzene		22	ug/L	20	112	70	130	2	20
		1,3,5-trimethylbenzene		21	ug/L	20	107	70	130	4	20
		2-chlorotoluene		23	ug/L	20	113	70	130	3	20
		4-chlorotoluene		21	ug/L	20	105	70	130	4	20
		tert-butylbenzene		21	ug/L	20	106	70	130	3	20
		1,2,4-trimethylbenzene		22	ug/L	20	112	70	130	4	20
		sec-butylbenzene		20	ug/L	20	102	70	130	3	20
		1,3-dichlorobenzene		22	ug/L	20	108	70	130	2	20
		4-isopropyltoluene		19	ug/L	20	97	70	130	4	20
		1,4-dichlorobenzene		22	ug/L	20	108	70	130	4	20
		1,2-dichlorobenzene		22	ug/L	20	108	70	130	5	20
		n-butylbenzene		18	ug/L	20	92	70	130	4	20
		1,2-dibromo-3-chloropropane		17	ug/L	20	87	70	130	3	20
		1,2,4-trichlorobenzene		20	ug/L	20	99	70	130	0	20
		hexachlorobutadiene		18	ug/L	20	90	70	130	5	20
		naphthalene		22	ug/L	20	108	70	130	2	20
		1,2,3-trichlorobenzene		19	ug/L	20	97	70	130	4	20
		dibromofluoromethane SUR		99	%			78	114		
		toluene-D8 SUR		104	%			88	110		
		4-bromofluorobenzene SUR		100	%			86	115		

Absolute Resource associates

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
MA EPH	BLK4201	naphthalene		<	0.5	ug/L						
		2-methylnaphthalene		<	0.5	ug/L						
		phenanthrene		<	0.5	ug/L						
		acenaphthene		<	0.5	ug/L						
		acenaphthylene		<	0.5	ug/L						
		fluorene		<	0.5	ug/L						
		anthracene		<	0.5	ug/L						
		fluoranthene		<	0.5	ug/L						
		pyrene		<	0.5	ug/L						
		benzo(a)anthracene		<	0.5	ug/L						
		chrysene		<	0.5	ug/L						
		benzo(b)fluoranthene		<	0.5	ug/L						
		benzo(k)fluoranthene		<	0.5	ug/L						
		benzo(a)pyrene		<	0.2	ug/L						
		indeno(1,2,3-cd)pyrene		<	0.5	ug/L						
		dibenzo(a,h)anthracene		<	0.5	ug/L						
		benzo(g,h,i)perylene		<	0.5	ug/L						
		Unadjusted C11-C22 Aromatics		<	100	ug/L						
		C9-C18 Aliphatics		<	100	ug/L						
		C19-C36 Aliphatics		<	100	ug/L						
		C11-C22 Aromatics		<	100	ug/L						
		1-chloro-octadecane SUR			40	%			40	140		
		o-terphenyl SUR			47	%			40	140		
		2-fluorobiphenyl SUR			92	%			40	140		
		2-bromonaphthalene SUR			101	%			40	140		
MA EPH	LCS4201	naphthalene			33	ug/L	60	55	40	140		
		2-methylnaphthalene			34	ug/L	60	57	40	140		
		phenanthrene			45	ug/L	60	76	40	140		
		acenaphthene			38	ug/L	60	63	40	140		
		acenaphthylene			38	ug/L	60	63	40	140		
		fluorene			38	ug/L	60	63	40	140		
		anthracene			46	ug/L	60	76	40	140		
		fluoranthene			44	ug/L	60	73	40	140		
		pyrene			46	ug/L	60	77	40	140		
		benzo(a)anthracene			47	ug/L	60	78	40	140		
		chrysene			49	ug/L	60	82	40	140		
		benzo(b)fluoranthene			45	ug/L	60	75	40	140		
		benzo(k)fluoranthene			50	ug/L	60	83	40	140		
		benzo(a)pyrene			45	ug/L	60	76	40	140		
		indeno(1,2,3-cd)pyrene			46	ug/L	60	76	40	140		
		dibenzo(a,h)anthracene			45	ug/L	60	75	40	140		
		benzo(g,h,i)perylene			42	ug/L	60	69	40	140		
		Unadjusted C11-C22 Aromatics			660	ug/L	1020	65	40	140		
		C9-C18 Aliphatics			150	ug/L	360	43	40	140		
		C19-C36 Aliphatics			320	ug/L	480	67	40	140		
		C11-C22 Aromatics		<	100	ug/L						
		1-chloro-octadecane SUR			44	%			40	140		
		o-terphenyl SUR			49	%			40	140		
		2-fluorobiphenyl SUR			91	%			40	140		
		2-bromonaphthalene SUR			94	%			40	140		

Absolute Resource associates

Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD		RPD Limit
MA EPH	LCSD4201	naphthalene			40	ug/L	60	66	40	140	18		25
		2-methylnaphthalene			40	ug/L	60	66	40	140	16		25
		phenanthrene			53	ug/L	60	89	40	140	16		25
		acenaphthene			45	ug/L	60	75	40	140	17		25
		acenaphthylene			45	ug/L	60	76	40	140	18		25
		fluorene			46	ug/L	60	76	40	140	19		25
		anthracene			53	ug/L	60	88	40	140	14		25
		fluoranthene			50	ug/L	60	84	40	140	14		25
		pyrene			51	ug/L	60	86	40	140	11		25
		benzo(a)anthracene			55	ug/L	60	91	40	140	15		25
		chrysene			58	ug/L	60	97	40	140	16		25
		benzo(b)fluoranthene			50	ug/L	60	84	40	140	11		25
		benzo(k)fluoranthene			65	ug/L	60	108	40	140	26	*	25
		benzo(a)pyrene			53	ug/L	60	89	40	140	16		25
		indeno(1,2,3-cd)pyrene			52	ug/L	60	87	40	140	14		25
		dibenzo(a,h)anthracene			52	ug/L	60	87	40	140	15		25
		benzo(g,h,i)perylene			50	ug/L	60	83	40	140	18		25
		Unadjusted C11-C22 Aromatics			740	ug/L	1020	73	40	140	12		25
		C9-C18 Aliphatics			180	ug/L	360	51	40	140	17		25
		C19-C36 Aliphatics			380	ug/L	480	79	40	140	16		25
		C11-C22 Aromatics		<	100	ug/L							
		1-chloro-octadecane SUR			48	%			40	140			
		o-terphenyl SUR			52	%			40	140			
		2-fluorobiphenyl SUR			89	%			40	140			
		2-bromonaphthalene SUR			93	%			40	140			

Absolute Resource associates

Lab Number:	NBT LCS4201W
Sample Designation:	Laboratory Control Sample 4201W
Date Sampled:	N/A
Date Received:	N/A
Date Extracted:	5/25/11
Matrix:	Water
Containers:	N/A
Sample Preservation:	N/A
Temperature:	N/A
Dilution Factor:	1
Analyst:	JLZ

NAPHTHALENE BREAKTHROUGH CALCULATION

Method for Ranges: MADEP EPH 2004-1.1

Method for Target Analytes: EPA 8270C

	LCS Aliphatic Breakthrough (%)	Acceptance Criteria	Date of Analysis
naphthalene	0.1%	<5.0%	5/26/11
2-methylnaphthalene	0.3%	<5.0%	5/26/11

Absolute Resource associates

Lab Number:	NBT LCSD4201W
Sample Designation:	Laboratory Control Sample Duplicate 4201W
Date Sampled:	N/A
Date Received:	N/A
Date Extracted:	5/25/11
Matrix:	Water
Containers:	N/A
Sample Preservation:	N/A
Temperature:	N/A
Dilution Factor:	1
Analyst:	JLZ

NAPHTHALENE BREAKTHROUGH CALCULATION

Method for Ranges: MADEP EPH 2004-1.1

Method for Target Analytes: EPA 8270C

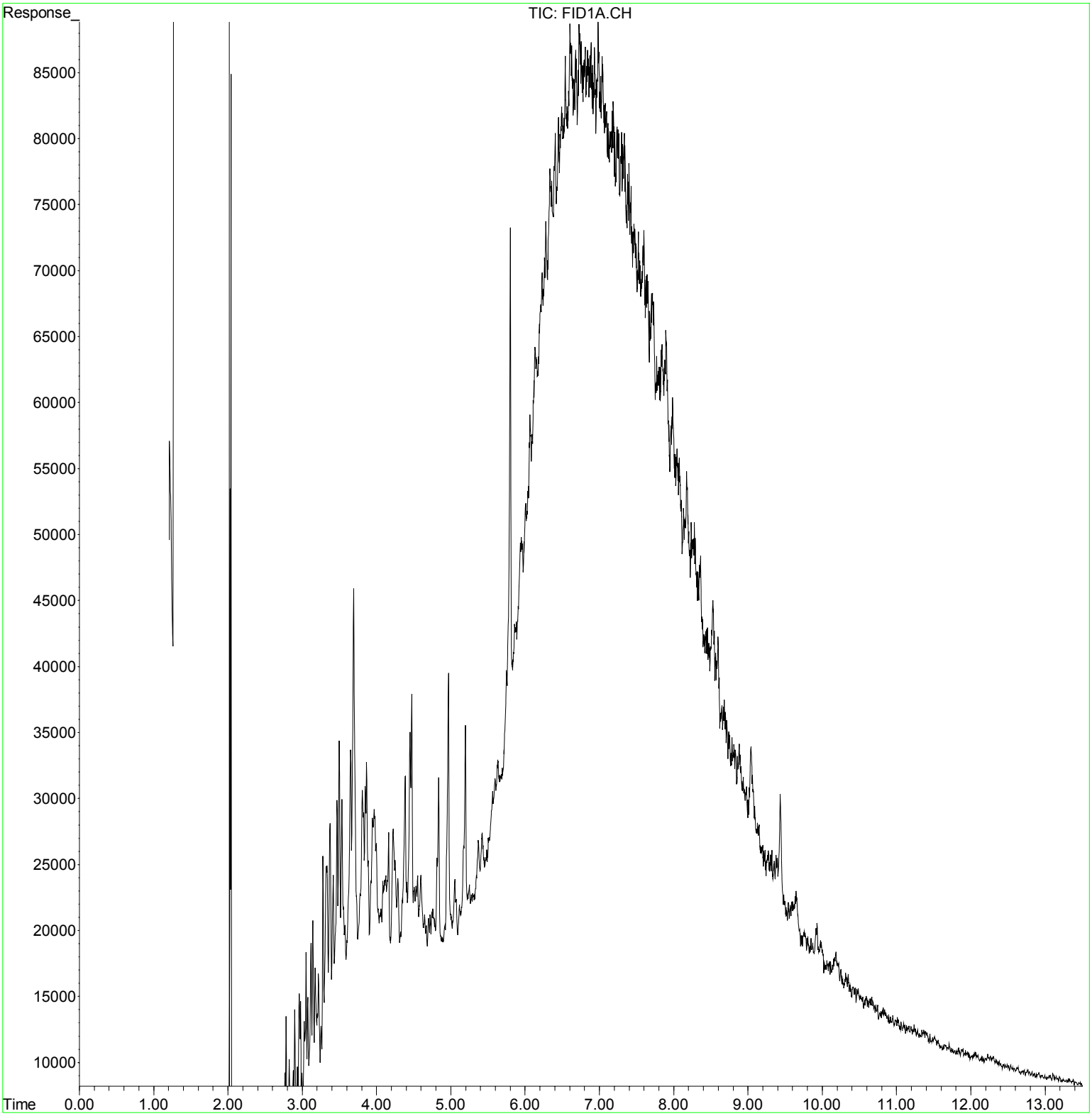
	LCSD Aliphatic Breakthrough (%)	Acceptance Criteria	Date of Analysis
naphthalene	0.2%	<5.0%	5/26/11
2-methylnaphthalene	0.2%	<5.0%	5/26/11

Absolute Resource associates

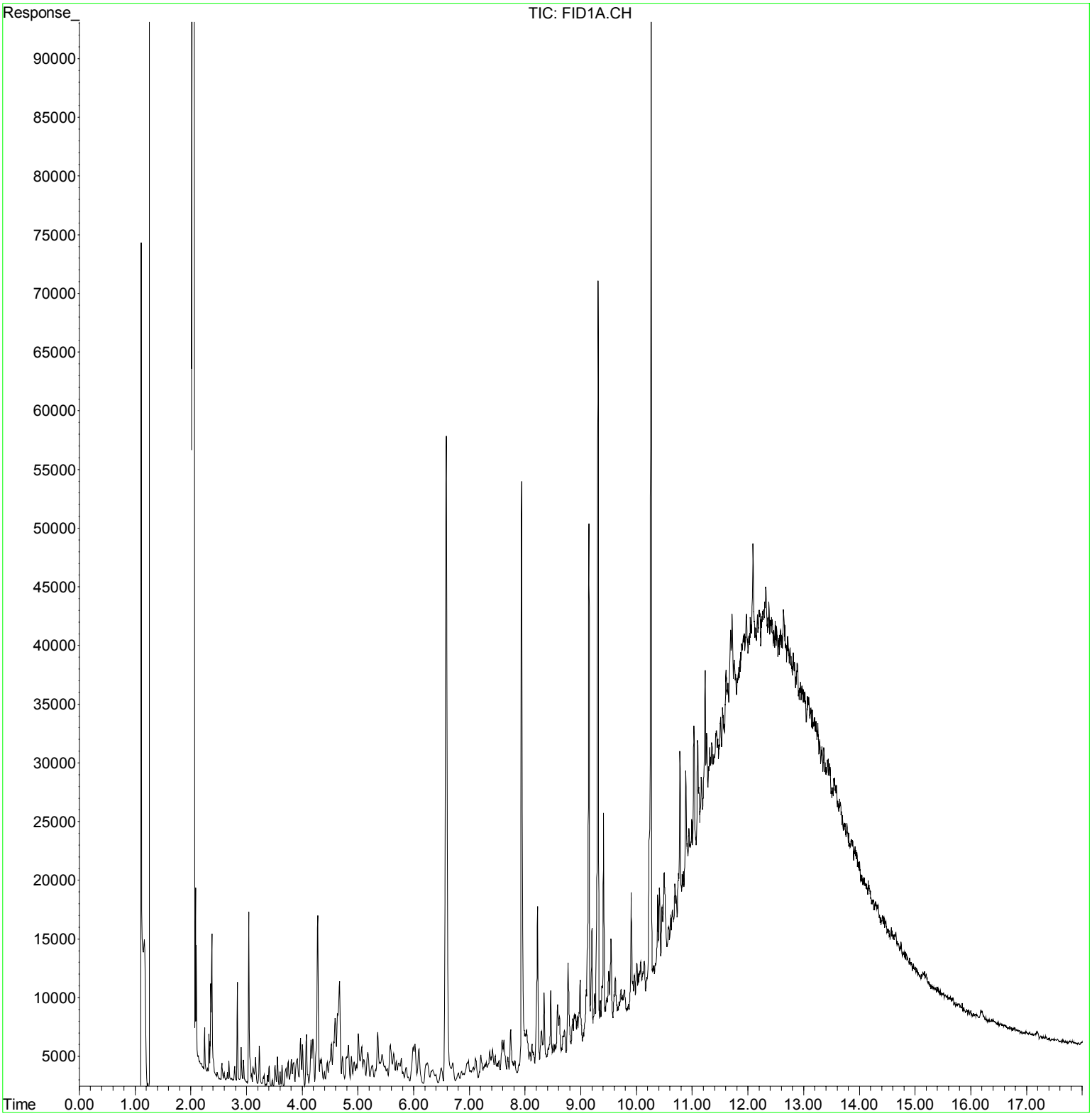
Method	QC ID	Parameter	Associated Sample		Result	Units	Amt Added	%R	Limits		RPD	RPD Limit
SW3005A6010C	BLK1100946	Silver		<	0.005	mg/L						
		Arsenic		<	0.008	mg/L						
		Barium		<	0.05	mg/L						
		Beryllium		<	0.004	mg/L						
		Cadmium		<	0.004	mg/L						
		Chromium		<	0.05	mg/L						
		Nickel		<	0.05	mg/L						
		Lead		<	0.01	mg/L						
		Antimony		<	0.006	mg/L						
		Selenium		<	0.05	mg/L						
		Thallium		<	0.002	mg/L						
		Vanadium		<	0.05	mg/L						
		Zinc		<	0.05	mg/L						
SW3005A6010C	LCS1100946	Silver			0.26	mg/L	0.25	105	80	120		
		Arsenic			0.50	mg/L	0.5	100	80	120		
		Barium			0.50	mg/L	0.5	100	80	120		
		Beryllium			0.51	mg/L	0.5	102	80	120		
		Cadmium			0.50	mg/L	0.5	100	80	120		
		Chromium			0.50	mg/L	0.5	99	80	120		
		Nickel			0.25	mg/L	0.25	98	80	120		
		Lead			0.25	mg/L	0.25	99	80	120		
		Antimony			0.49	mg/L	0.5	99	80	120		
		Selenium			0.51	mg/L	0.5	102	80	120		
		Thallium			0.52	mg/L	0.5	104	80	120		
		Vanadium			0.50	mg/L	0.5	99	80	120		
		Zinc			0.50	mg/L	0.5	100	80	120		
SW3005A6010C	MS1100946	Nickel	21599-001		0.50	mg/L	0.5	99	75	125		
		Lead	21599-001		0.49	mg/L	0.5	98	75	125		
SW3005A6010C	MSD1100946	Nickel	21599-001		0.49	mg/L	0.5	98	75	125	1	20
		Lead	21599-001		0.49	mg/L	0.5	98	75	125	0	20
SW7470A	BLK4214	Mercury		<	0.0002	mg/L						
SW7470A	LCS4214	Mercury			0.0020	mg/L	0.002	100	80	120		
SW7470A	LCSD4214	Mercury			0.0020	mg/L	0.002	101	80	120	1	20
SW7470A	MS4214	Mercury	21619-003		0.0018	mg/L	0.002	84	75	125		

Absolute Resource associates

File : X:\DATA\SVOA01\2011\MAY11\052711\S1052707.D
Operator : jlz
Acquired : 27 May 2011 1:08 pm using AcqMethod S1ZIPALI.M
Instrument : SVOA01
Sample Name: 21599-04 ali x1
Misc Info : Field ID: MW-202 [Aliphatic portion]
Vial Number: 7



File : X:\DATA\SVOA01\2011\MAY11\052711\S1052731.D
Operator : jlz
Acquired : 27 May 2011 11:23 pm using AcqMethod S1ZIPARO.M
Instrument : SVOA01
Sample Name: 21599-04 aro x1
Misc Info : Field ID: MW-202 [Aromatic portion]
Vial Number: 31



Absolute Resource associates
124 Heritage Avenue #10
Portsmouth, NH 03801
603-436-2001
absoluteresourceassociates.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

21599

Company Name: GEOINSIGHT, INC.
Company Address: 186 GRANITE ST. SUITE 3A, MANCHESTER NH
Report To: TODD PISKOVITZ
Phone #: 603-314-0820
Invoice To: SAME

Project Name: SOUTH BOSTON
Project #: 6371-000
Project Location: NH (MA) ME VT Other
Protocol: RCRA SDWA NPDES (MCP) NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other
Quote # ☐ NH GREE/ODD Fund Pricing
PO #

ANALYSIS REQUEST

☒ VOC 8260 MADEP ☐ VOC 8260 NHDES ☐ VOC 8260 ☐ VOC 624 ☐ VOC BTEX ☐ MtBE, only ☐ VOC 8021VT ☐ VPH MADEP ☐ MEGRO ☐ GRO 8015 ☐ VOC 524.2 ☐ VOC 524.2 NH List ☐ Gases-List: ☐ TPH ☐ DRO 8015 ☐ MEDRO ☒ EPH MADEP ☐ TPH Fingerprint ☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB 504.1 ☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB ☐ O&G 1664 ☐ Mineral O&G SM5520F ☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity ☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity ☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals ☐ Total Metals-List: ☒ Dissolved Metals-List: Pb, Ni ☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON ☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN ☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P ☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride ☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP ☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide Subcontract: ☐ TOC ☐ Grain Size ☐ TCLP Herbicides PP-14 METALS

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER (Specify)	Sampling: DATE	TIME	SAMPLER	Grab (G) or Composite (C)
21599-01	H-1	4	X			X	X					5/20/11	0835	JRM	G
02	MW-104	2				X							0830	JRF	
03	MW-201	4				X	X						0845		
04	MW-202	4				X	X						0850		
05	MW-203	4				X	X						0925		
06	MW-204	4				X	X						1130		
07	MW-205	4				X	X						0900		
08	GEO-2	3				X							1015	JRM	
09	GEO-3	2				X							1015	JRF	
10	GEO/MW-103	1					X						0910		
11	TRIP BLANK	2				X						5/18/11	~	AKA	-

Lab Sample ID	VOC 8260 MADEP	VOC 8260 NHDES	VOC 8260	VOC 624	VOC BTEX	MtBE, only	VOC 8021VT	VPH MADEP	MEGRO	GRO 8015	VOC 524.2	VOC 524.2 NH List	Gases-List:	TPH	DRO 8015	MEDRO	EPH MADEP	TPH Fingerprint
21599-01									X						X			
02			X															
03									X						X			
04																		
05																		
06																		
07																		
08									X						X			
09			X															
10																		
11			X															

Lab Sample ID	8270PAH	8270ABN	625	EDB 504.1	8082 PCB	8081 Pesticides	608 Pest/PCB	O&G 1664	Mineral O&G SM5520F	pH	BOD	Conductivity	Turbidity	TSS	TDS	TS	TVS	Alkalinity	RCRA Metals	Priority Pollutant Metals	TAL Metals	Total Metals-List:	Dissolved Metals-List: Pb, Ni	Ammonia	COD	TKN	TN	TON	T-Phosphorus	Phenols	Bacteria P/A	Bacteria MPN	Cyanide	Sulfide	Nitrate + Nitrite	Ortho P	Nitrate	Nitrite	Chloride	Sulfate	Bromide	Fluoride	Corrosivity	Reactive CN	Reactive S-	Ignitibility/FP	TCLP Metals	TCLP VOC	TCLP SVOC	TCLP Pesticide	Subcontract: TOC	Grain Size	TCLP Herbicides	PP-14 METALS
21599-01																							X																																X
02																																																							
03																							X																																
04																																																							
05																																																							
06																																																							
07																																																							
08																																																							
09																																																							
10																																																							X
11																																																							

TAT REQUESTED
Priority (24 hr)* ☐
Expedited (48 hr)* ☐
Standard (10 Business Days) ☒
*Date Needed _____

See absoluteresourceassociates.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS PLEASE PROVIDE MCP PRESUMPTIVE CERTAINTY MUST MEET CAM DETECTION LIMITS AND GW-2 STANDARDS

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) TEPISKOVITZ@GEOINC.COM
☐ HARD COPY REQUIRED ☐ FAX (FAX#) _____ ☐ OTHER (specify) _____

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 10 °C

CUSTODY RECORD
QSD-01 Revision 12/23/10

Relinquished by:	Date	Time	Received by:	Date	Time
Sampler: [signature]	5/20/11	1430	GEOINC COLD STORAGE	5/20/11	1430
GEOINC COLD STORAGE					
			Received by Laboratory: [signature] Way Bill#:	5/20/11	14:30