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HALEY & ALDRICH

26 July 2010
File No. 34263-030

US Environmental Protection Agency
Industrial NPDES Permits (CIP)
One Congress Street, Suite 1100
Boston, Massachusetts 02114-2023

Attention: Ms. Shelly Puleo

Subject: Notice of Intent (NOI) for NPDES Remediation General Permit
Temporary Construction Dewatering
27 Washington Street
Wellesley, Massachusetts
RTN 3-27143

Ladies and Gentlemen:

In accordance with the National Pollutant Discharge Elimination System (NPDES) Remediation General Permit (RGP) in Massachusetts, MAG910000, this letter submits a Notice of Intent (NOI) and the applicable documentation as required by the US Environmental Protection Agency (EPA) for construction site dewatering under the RGP. Temporary dewatering is planned in support of the construction activities in connection with the proposed building development at 27 Washington Street in Wellesley, Massachusetts, as shown on Figure 1 – Project Locus.

The property owner is NDNE Lower Falls LLC c/o National Development. The proposed development consists of (i) relocating sewer mains that traverse the Site (ii) constructing a four-story residential building with one level of below-grade parking in the back half of the Site and (iii) constructing a two-story retail/commercial building (no basement) at the front of the site along Washington Street. Paved parking lots, utilities and other ancillary site facilities will also be constructed.

Site History

The property and adjacent properties were historically the site of a paint factory and an oil storage yard dating back to the 1800s. C.H. Spring Company, a supplier of hay, grain and masonry supplies occupied the property from 1906 until 1939.

The ownership/occupation of the property changed from C.H. Spring Company to L. Grossman's Sons, in 1972, at which time the present day building was constructed. The property was utilized as a retail lumber facility from 1972 until the property was vacated in 1994. The property has been vacant since 1994, except for storage inside the building and trailer storage outside the building recently being used by The Stop & Shop Supermarket Company, who formerly leased the building.

Existing Site Conditions

The Site is currently occupied by a 55,000 square-foot 1-story building formerly owned and operated by Grossman's Lumber retail facility and paved parking areas. Construction is commencing at the Site which includes abatement and demolition of the Grossman's Building.

Regulatory Background

In summer 2007, as part of due diligence activities, Haley & Aldrich collected and tested soil and groundwater samples at the property. These testing activities identified generally low levels of several chlorinated volatile organic compounds (VOCs) solvents in groundwater and several petroleum-related constituents in groundwater and soil in a relatively localized portion of the property.

Based on the location of the contaminants, groundwater flow direction and historical records, Haley & Aldrich determined that the chlorinated VOCs and the petroleum compound constituents likely originated from two separate sources and were, therefore, reported to the Massachusetts Department of Environmental Protection (MassDEP) as separate releases under the Massachusetts Contingency Plan (MCP). Two separate Release Notification Forms (RNFs) were submitted by Haley & Aldrich, Inc., on behalf of NDNE Lower Falls LLC on 28 September 2007. Two RTNs (RTN 3-27143 for the petroleum release and RTN 3-27142 for the chlorinated VOCs) were assigned to the Property.

Chlorinated VOCs, tetrachloroethene (PCE) and trichloroethene (TCE), were detected in groundwater monitoring wells at the property at levels above the applicable RCGW-1 Reportable Concentrations. RCGW-1 is the most stringent groundwater classification as it is considered to be suitable for use as drinking water. Although not used as a drinking water supply, groundwater beneath the property is classified as RCGW-1 due to its location within the limits of a potentially-productive aquifer (i.e., an area designated as a potential drinking water resource).

While the detection of the VOC compounds triggered a reporting obligation under the MCP, evaluations indicated that these compounds were migrating onto the property in groundwater from an upgradient off-site source. This conclusion was based on 1) the fact that there is no documented on-site use of PCE, 2) the distribution of PCE and TCE in groundwater at the site, 3) the presence of one former and one active dry-cleaning facility upgradient of the property at 29 Washington Street and 51 Washington Street, respectively, and 4) documented groundwater flow direction at the property. It was concluded that the upgradient dry-cleaning facilities represent the most likely sources of on-property PCE contamination. In accordance with 310 CMR 40.0180, the property qualifies for Downgradient Property Status (DPS). A DPS Opinion was submitted to MassDEP in September 2008.

Temporary Construction Dewatering Notice of Intent

In support of the NOI, a groundwater sample was collected for analytical testing from monitoring well (HA-MW133) located within the site and area of future construction. The results of the testing are summarized in Table I. Additional groundwater quality data collected at the Site to-date from other site wells is also included in Table I. The locations of the observation wells are shown on Figure 3.

Temporary dewatering is necessary to control groundwater, seepage, precipitation, surface water runoff and construction-generated water to enable earthwork, foundation construction and utility installation to be conducted in-the-dry. Construction and construction dewatering is currently anticipated to begin in late August or early September 2010. *On-site recharge of pumped dewatering effluent is not allowed per the Town of Wellesley Wetlands Protection Committee Order of Conditions for the site*.

Prior to discharge, collected water will be routed through a sedimentation tank and bag filters, at a minimum, to remove suspended solids and undissolved chemical constituents (metals), as shown in the Proposed Treatment System Schematic included in the attached Figure 2. Granular activated carbon (GAC) adsorption units will also be used as necessary to remove VOCs and petroleum constituents to levels that meet effluent limits.

Construction dewatering under this RGP NOI will include piping and discharging to storm drains located within the site which discharge directly to the Charles River. The proposed discharge route is shown on Figure 3, Proposed Dewatering Discharge Route.

Appendices

The completed "Suggested Notice of Intent" (NOI) form as provided in the RGP is enclosed in Appendix A. NDNE Lower Falls LLC c/o National Development owns the site. Cranshaw Construction is the General Contractor. Cranshaw Construction is listed as the permitee for this NPDES RGP.

Appendix B provides Material Data Safety Sheets (MSDS) and fact sheets for possible chemical additives or treatments to be used in the treatment system. A Best Management Practices Plan (BMPP), which outlines the proposed discharge operations covered under the RGP, is included in Appendix C. Appendices D and E include National Register of Historic Places and Endangered Species Act Documentation, respectively. A copy of the groundwater laboratory testing data is provided in Appendix F.

Closing

Thank you very much for your consideration of this NOI. Please feel free to contact us should you wish to discuss the information contained herein or if you need additional information.

Sincerely yours,
HALEY & ALDRICH, INC.

P. Sandhya

Sandhya N. Potana
Staff Engineer

Steven R. Kraemer, P.E., D.GE
Senior Vice President

Attachments:

Table I - Summary of Groundwater Quality Data
Figure 1 - Site Locus
Figure 2 - Proposed Treatment System Schematic
Figure 3 - Proposed Dewatering Discharge Routes
Appendix A - Notice of Intent (NOI) for Remediation General Permit (RGP)
Appendix B - MSDS and Fact Sheets
Appendix C - Best Management Practices Plan (BMPP)
Appendix D - National Register of Historic Places and Massachusetts Historical Commission Documentation
Appendix E - Endangered Species Act Documentation
Appendix F – Laboratory Data Reports

c: National Development; Attn: Mark Paris
Cranshaw Construction; Attn: Robert Lyons
Massachusetts Department of Environmental Protection, Division of Watershed Management

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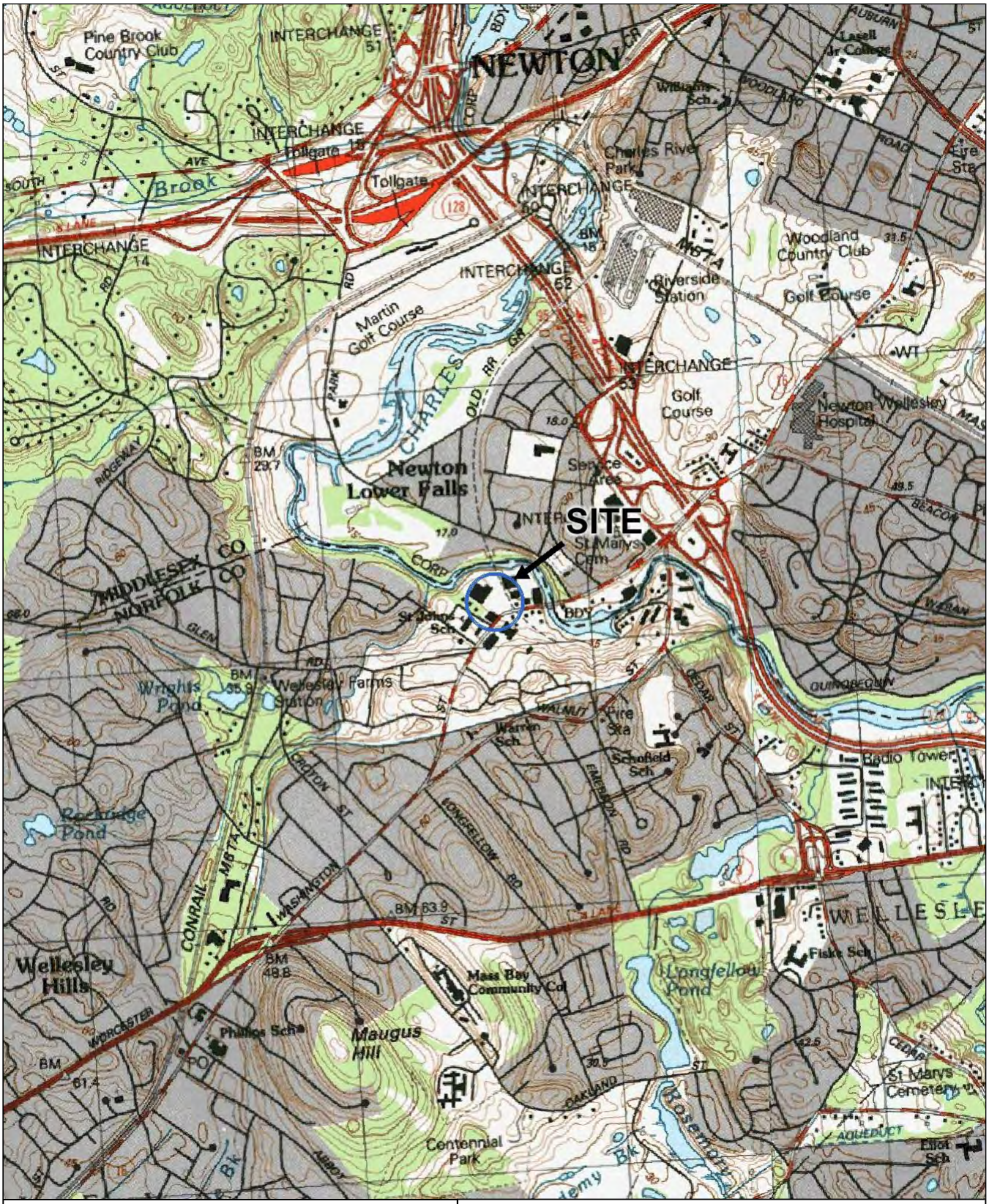
TABLE I
SUMMARY OF GROUNDWATER QUALITY DATA
27 WASHINGTON STREET
WELLESLEY, MASSACHUSETTS
FILE NO. 34263-030

LOCATION SAMPLING DATE LAB SAMPLE ID	Min	Max	HA-MW2 7-May-10 L1006885-03	HA-MW3 7-May-10 L1006885-02	HA-MW104 6-May-10 L1006795-01	HA-MW105 7-May-10 L1006885-01	HA-MW110 6-May-10 L1006795-02	HA-MW110 27-May-10 L1007987-03	HA-MW133 6-May-10 L1006779-01	HA-MW-133 27-May-10 L1007987-02
VOCs (µg/L)										
Tetrachloroethylene	ND(0.5)	39	14	ND(0.5)	3	5.3	39	-	12	26
1,1,1-Trichloroethane	ND(0.5)	1.6	1.6	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	-	ND(1)	ND(0.5)
Trichloroethylene	ND(0.5)	11	5.3	ND(0.5)	11	1.2	5.2	-	4.8	10
cis-1,2-Dichloroethylene	ND(0.5)	1.5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	1.4	-	1.5	1.5
n-Propylbenzene	ND(1)	5.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	-	-	5.3
1,3,5-Trimethylbenzene	ND(1)	11	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	-	-	11
1,2,4-Trimethylbenzene	ND(1)	33	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	-	-	33
TOTAL SVOCs (µg/L)	ND	ND	-	-	-	-	-	-	ND	-
VPH (µg/L)										
C9-C10 Aromatics	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	-	ND(25)	-
C5-C8 Aliphatics	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	-	ND(25)	-
C9-C12 Aliphatics	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	-	ND(25)	-
EPH (µg/L)										
Carbon Ranges										
C9-C18 Aliphatics	ND(50)	ND(51.5)	ND(50)	-	-	-	-	ND(51.5)	-	ND(51)
C19-C36 Aliphatics	ND(50)	ND(51.5)	ND(50)	-	-	-	-	ND(51.5)	-	ND(51)
C11-C22 Aromatics, Adjusted	ND(50)	ND(51.5)	ND(50)	-	-	-	-	ND(51.5)	-	ND(51)
Target Analytes										
TOTAL PAHs (µg/L)	ND	ND	ND	-	-	-	-	ND	-	-
TPH (µg/L)	ND(2000)	ND(2000)	-	-	-	-	-	-	ND(2000)	-
Metals (µg/L)										
Antimony, Total	ND(0.25)	ND(0.25)	-	-	-	-	-	-	ND(0.25)	-
Arsenic, Total	ND(0.25)	ND(0.25)	-	-	-	-	-	-	ND(0.25)	-
Cadmium, Total	ND(0.1)	ND(0.1)	-	-	-	-	-	-	ND(0.1)	-
Chromium, Total	ND(0.25)	ND(0.25)	-	-	-	-	-	-	ND(0.25)	-
Chromium, Hexavalent (µg/L)	ND(5)	ND(5)	-	-	-	-	-	-	ND(5)	-
Copper, Total	0.6	0.6	-	-	-	-	-	-	0.6	-
Iron, Total	60	60	-	-	-	-	-	-	60	-
Lead, Total	ND(0.25)	ND(0.25)	-	-	-	-	-	-	ND(0.25)	-
Mercury, Total	ND(0.1)	ND(0.1)	-	-	-	-	-	-	ND(0.1)	-
Nickel, Total	1.9	1.9	-	-	-	-	-	-	1.9	-
Selenium, Total	ND(0.5)	ND(0.5)	-	-	-	-	-	-	ND(0.5)	-
Silver, Total	ND(0.2)	ND(0.2)	-	-	-	-	-	-	ND(0.2)	-
Zinc, Total	13.4	13.4	-	-	-	-	-	-	13.4	-

TABLE I
SUMMARY OF GROUNDWATER QUALITY DATA
27 WASHINGTON STREET
WELLESLEY, MASSACHUSETTS
FILE NO. 34263-030

LOCATION SAMPLING DATE LAB SAMPLE ID	Min	Max	HA-MW2 7-May-10 L1006885-03	HA-MW3 7-May-10 L1006885-02	HA-MW104 6-May-10 L1006795-01	HA-MW105 7-May-10 L1006885-01	HA-MW110 6-May-10 L1006795-02	HA-MW110 27-May-10 L1007987-03	HA-MW133 6-May-10 L1006779-01	HA-MW-133 27-May-10 L1007987-02
PCBs (µg/L)										
Aroclor 1016	ND(0.125)	ND(0.125)	-	-	-	-	-	-	ND(0.125)	-
Aroclor 1221	ND(0.125)	ND(0.125)	-	-	-	-	-	-	ND(0.125)	-
Aroclor 1232	ND(0.125)	ND(0.125)	-	-	-	-	-	-	ND(0.125)	-
Aroclor 1242	ND(0.125)	ND(0.125)	-	-	-	-	-	-	ND(0.125)	-
Aroclor 1248	ND(0.125)	ND(0.125)	-	-	-	-	-	-	ND(0.125)	-
Aroclor 1254	ND(0.125)	ND(0.125)	-	-	-	-	-	-	ND(0.125)	-
Aroclor 1260	ND(0.125)	ND(0.125)	-	-	-	-	-	-	ND(0.125)	-
Pesticides (µg/L)										
1,2-Dibromoethane	ND(0.005)	ND(0.005)	-	-	-	-	-	-	ND(0.005)	-
General Chemistry										
Solids, Total Suspended (µg/L)	ND(2500)	ND(2500)	-	-	-	-	-	-	ND(2500)	-
Cyanide, Total (µg/L)	ND(2.5)	ND(2.5)	-	-	-	-	-	-	ND(2.5)	-
Chlorine, Total Residual (µg/L)	ND(10)	ND(10)	-	-	-	-	-	-	ND(10)	-
pH	5.9	6.99	-	-	-	-	-	-	5.9	6.99
Phenolics, Total (µg/L)	ND(15)	ND(15)	-	-	-	-	-	-	ND(15)	-

Notes and Abbreviations:
1. This table includes only those compounds detected on the dates indicated for VOCs, SVOCs, and EPH Target Analytes.
3. ND(2.5) indicates not detected, number in parentheses is one-half the laboratory detection limit.
NA = not applicable
"-" = not analyzed



SITE COORDINATES:42°19'32"N 71°15'40"W

N
W
E
S

U.S.G.S. QUADRANGLE: NATICK, MA

HALEY & ALDRICH

27 WASHINGTON STREET
WELLESLEY, MASSACHUSETTS

PROJECT LOCUS

SCALE: 1:24,000
JUNE 2010

FIGURE 1

34263-000 1.PDF

PROPOSED SEWER LINE

APPROXIMATE LIMITS OF EXISTING BUILDING

APPROXIMATE LIMITS OF PROPOSED COMMERCIAL/OFFICE BUILDING

APPROXIMATE LIMITS OF PROPOSED BELOW GRADE SPACE

PROPOSED SEWER LINE

HA-MW133 (51)
HA-MW110 (51)
HA-MW105 (52)
HA-MW104 (51)
HA-MW2 (43)
HA-MW3 (43)

WASHINGTON STREET (public–variable width)

CHARLES RIVER

MICA LANE

LEGEND:

HA-B106	DESIGNATION AND APPROXIMATE LOCATION OF TEST BORING DRILLED DURING THE PERIOD 23 TO 31 JULY 2007
HA-B7	DESIGNATION AND APPROXIMATE LOCATION OF TEST BORING DRILLED DURING THE PERIOD 2 TO 7 MARCH 2007
MW	INDICATES GROUNDWATER OBSERVATION WELL INSTALLED IN COMPLETED BOREHOLE
(38)	INDICATES ESTIMATED ELEVATION OF TOP OF NATURAL INORGANIC SOIL
D	APPROXIMATE LOCATION OF POTENTIAL DISCHARGE POINT (CATCH BASIN)
---→	APPROXIMATE ROUTE OF DISCHARGE

NOTES:

1. BASE PLAN TAKEN FROM DRAWING "27082-BASE.DWG", PREPARED BY STANTEC, AND PROVIDED TO HALEY & ALDRICH ON 6 JUNE 2008, BY EMAIL.
2. BUILDING FOOTPRINT TAKEN FROM DRAWING ENTITLED "GRADING PLAN," PREPARED BY STANTEC AND DATED 19 MARCH 2010.
3. LIMITS OF BELOW-GRADE SPACE TAKEN FROM DRAWING ENTITLED "RESIDENTAIL FOUNDATION PLAN, S100", PREPARED BY VEITAS AND VEITAS ENGINEERS, DATED 22 MARCH 2010.
4. PROPOSED SEWER ALIGNMENT TAKEN FROM DRAWING ENTITLED "SEWER RELOCATION PLAN," PREPARED BY STANTEC AND DATED 30 APRIL 2010.
5. ELEVATIONS ARE IN FEET AND REFERENCE THE WELLESLEY CITY BASE (WCB) DATUM, WHICH IS 5.5 FT. BELOW THE NATIONAL GEODETIC VERTICAL DATUM (NGVD).

0 60 120
SCALE IN FEET

HALEY & ALDRICH

PROPOSED DEVELOPMENT
27 WASHINGTON STREET
WELLESLEY, MASSACHUSETTS

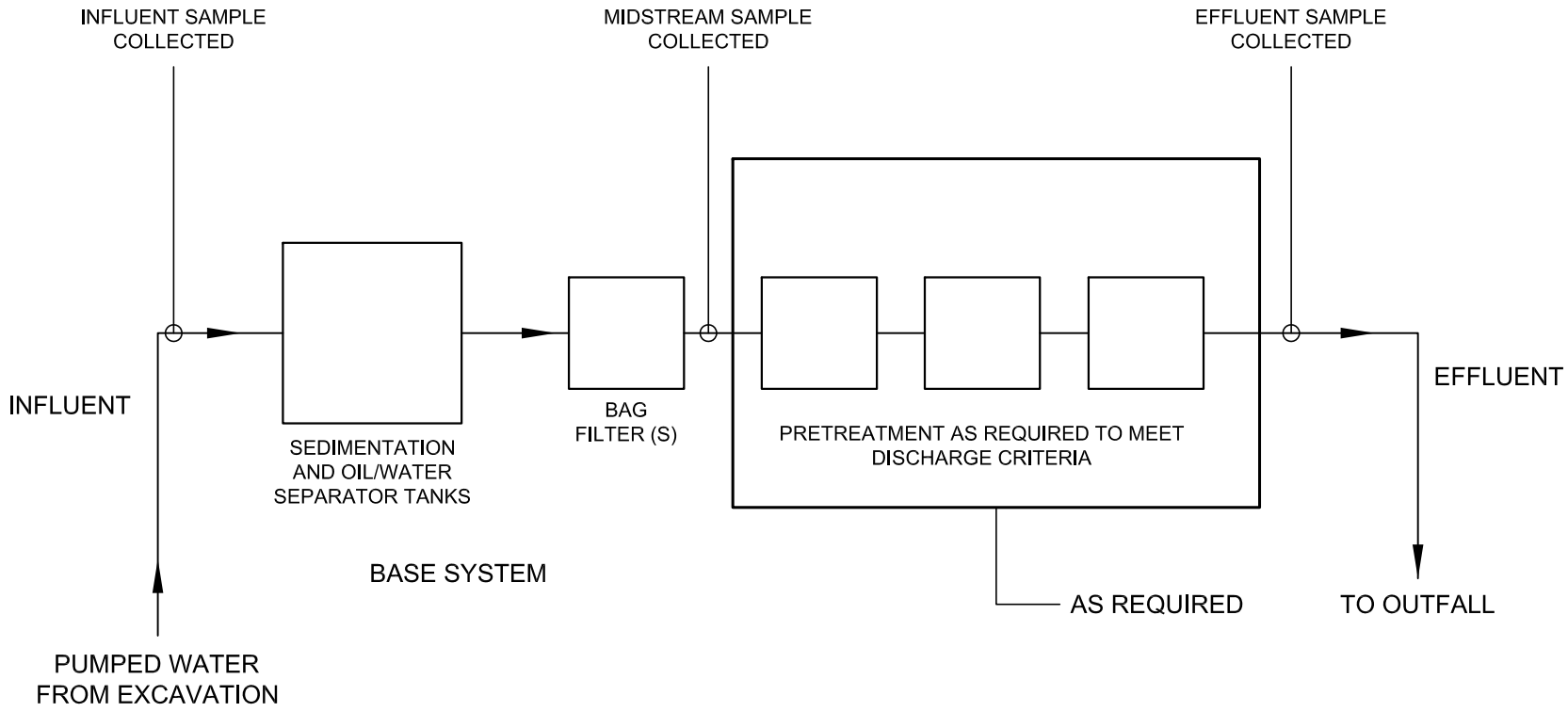
PROPOSED DEWATERING DISCHARGE ROUTES

SCALE: AS SHOWN
JULY 2010

FIGURE 2

J:\GRAPHICS\342633\34263-044-B024.DWG

J:\GRAPHICS\34263\34263-030-A020.DWG



LEGEND:

→ DIRECTION OF FLOW

NOTE:

1. DETAILS OF TREATMENT SYSTEM MAY VARY FROM SYSTEM INDICATED ABOVE. SPECIFIC MEANS AND METHODS OF TREATMENT TO BE SELECTED BY CONTRACTOR. WATER WILL BE TREATED TO MEET REQUIRED EFFLUENT STANDARDS.

HALEY & ALDRICH
27 WASHINGTON STREET
BOSTON, MASSACHUSETTS

PROPOSED TREATMENT SYSTEM SCHEMATIC

SCALE: NONE
JUNE 2010

FIGURE 3

APPENDIX A

Notice of Intent (NOI) for Remediation General Permit (RGP)

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

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

a) Name of **facility/site**: 27 Washington Street		**Facility/site** address: 27 Washington Street		
Location of **facility/site**: longitude: 42 19 32 latitude: 71 15 40	Facility SIC code(s):	Street: Washington Street		
b) Name of **facility/site owner:** NDNE Lower Falls LLC c/o National Developmer		Town: Wellesley		
Email address of owner: MParis@NatDev.com		State: MA	Zip: 02481	County: Norfolk
Telephone no.of facility/site **owner**: (617) 559-5010				
Fax no. of facility/site **owner**: (617) 965-7361		**Owner** is (check one): 1. Federal____ 2. State/Tribal_____ 3. Private__✓___ 4. other, if so, describe:		
Address of **owner** (if different from site):				
Street: 2310 Washington Street				
Town: Newton Lower Falls	State: MA	Zip: 02462	County: Middlesex	
c) Legal name of **operator**: Cranshaw Construction	**Operator** telephone no: 617-559-5204			
	Operator fax no.: 617-527-1977		**Operator** email: blyons@cranshaw.com	
Operator contact name and title: Robert J. Lyons, Chief Operating Officer at Cranshaw Construction				
Address of **operator** (if different from owner):	Street: 2310 Washington Street , Suite 400			
Town: Newton Lower Falls	State: MA	Zip: 02462	County: Middlesex	

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

e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes___ No_✓_ If "yes," please list: 1. site identification # assigned by the state of NH or MA: 2. permit or license # assigned: 3. state agency contact information: name, location, and telephone number:	f) Is the site/facility covered by any other EPA permit, including: 1. multi-sector storm water general permit? Y___ N_✓_, if Y, number: 2. phase I or II construction storm water general permit? Y_✓_ N___, if Y, number: 3. individual NPDES permit? Y___ N_✓_, if Y, number: 4. any other water quality related permit? Y_✓_ N___, if Y, number: EPA's Construction General Permit (CGP) and SWPPP.

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

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

Temporary construction dewatering in support of planned construction.

b) Provide the following information about each discharge:	1) Number of discharge points: 2	2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft3/s)? Max. flow 0.1671 Average flow 0.1114 Is maximum flow a **design value**? Y___ N_✓_ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available.

3) Latitude and longitude of each discharge within 100 feet: pt.1:long. 42 19 6 lat. 71 15 7; pt.2: long. 42 19 5 lat. 71 15 5; pt.3: long._____ lat._____; pt.4:long._____ lat._____; pt.5: long._____ lat._____; pt.6:long._____ lat._____; pt.7: long._____ lat._____; pt.8:long._____ lat._____; etc.

4) If hydrostatic testing, total volume of the discharge (gals):	5) Is the discharge intermittent_✓_or seasonal_____? Is discharge ongoing Yes ____ No_✓_?

c) Expected dates of discharge (mm/dd/yy): start 09/01/10 end 03/31/11

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 attached Figures 2 (Proposed Treatment System Schematic) and 3 (Proposed Dewatering Discharge Route).

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for **all** of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provided the data was analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge falls within.

Gasoline Only	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
Fuel Oils (and Other Oils) only	VOC with Other Contaminants ✓	Petroleum with Other Contaminants ✓	Listed Contaminated Sites ✓	Contaminated Dredge Condensates	Hydrostatic Testing of Pipelines/Tanks	Well Development or Rehabilitation

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

PARAMETER	**Believe Absent**	**Believe Present**	**# of Samples (1 min-imum)**	**Type of Sample (e.g., grab)**	**Analytical Method Used (method #)**	**Minimum Level (ML) of Test Method**	**Maximum daily value**		**Avg. daily value**	
							concentration (ug/l)	**mass (kg)**	**concentration (ug/l)**	**mass (kg)**
1. Total Suspended Solids	✓		1	GRAB	2540D	5000	ND			
2. Total Residual Chlorine	✓		1	GRAB	4500CL-D	20	ND			
3. Total Petroleum Hydrocarbons	✓		1	GRAB	1664A	4000	ND			
4. Cyanide	✓		1	GRAB	4500CN-CE	5	ND			
5. Benzene	✓		7	GRAB	624 / 8260	1	ND			
6. Toluene	✓		7	GRAB	624 / 8260	1	ND			
7. Ethylbenzene	✓		7	GRAB	624 / 8260	1	ND			
8. (m,p,o) Xylenes	✓		7	GRAB	624 / 8260	1	ND			
9. Total BTEX[4]	✓		7	GRAB	624 / 8260	1	ND			

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide [5] (1,2- Dibromo-methane)	✓		1	GRAB	504.1	0.01	ND			
11. Methyl-tert-Butyl Ether (MtBE)	✓		1	GRAB	624 / 8260	20	ND			
12. tert-Butyl Alcohol (TBA)	✓		1	GRAB	624 / 8260	100	ND			
13. tert-Amyl Methyl Ether (TAME)	✓		6	GRAB	624 / 8260	2	ND			
14. Naphthalene	✓		5	GRAB	624 / 8260	0.4	ND			
15. Carbon Tetra-chloride	✓		7	GRAB	624 / 8260	1.0	ND			
16. 1,4 Dichlorobenzene	✓		7	GRAB	624 / 8260	1.0	ND			
17. 1,2 Dichlorobenzene	✓		7	GRAB	624 / 8260	1.0	ND			
18. 1,3 Dichlorobenzene	✓		7	GRAB	624 / 8260	1.0	ND			
19. 1,1 Dichloroethane	✓		7	GRAB	624 / 8260	1.0	ND			
20. 1,2 Dichloroethane	✓		7	GRAB	624 / 8260	1	ND			
21. 1,1 Dichloroethylene	✓		7	GRAB	624 / 8260	1	ND			
22. cis-1,2 Dichloro-ethylene		✓	7	GRAB	624 / 8260	1	1.5			
23. Dichloromethane (Methylene Chloride)	✓		7	GRAB	624 / 8260	5.0	ND			
24. Tetrachloroethylene		✓	7	GRAB	624 / 8260	1	39			

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane		✓	7	GRAB	624 / 8260	1.0	1.6			
26. 1,1,2 Trichloroethane	✓		7	GRAB	624 / 8260	1.0	ND			
27. Trichloroethylene		✓	7	GRAB	624 / 8260	1	11			
28. Vinyl Chloride	✓		7	GRAB	624 / 8260	1	ND			
29. Acetone	✓		7	GRAB	624 / 8260	5	ND			
30. 1,4 Dioxane	✓		6	GRAB	624 / 8260	250	ND			
31. Total Phenols	✓		1	GRAB	420.1	30	ND			
32. Pentachlorophenol	✓		1	GRAB	624 / 8260	0.8	ND			
33. Total Phthalates [6] (Phthalate esthers)	✓		1	GRAB	624 / 8260	5	ND			
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	GRAB	624 / 8260	5	ND			
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	GRAB	8270 C		ND			
a. Benzo(a) Anthracene	✓		1	GRAB	8270 C	0.2	ND			
b. Benzo(a) Pyrene	✓		1	GRAB	8270 C	0.2	ND			
c. Benzo(b)Fluoranthene	✓		1	GRAB	8270 C	0.2	ND			
d. Benzo(k) Fluoranthene	✓		1	GRAB	8270 C	0.2	ND			
e. Chrysene	✓		1	GRAB	8270 C	0.2	ND			

[6] The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (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)
f. Dibenzo(a,h) anthracene	✓		1	GRAB	8270 C	0.2	ND			
g. Indeno(1,2,3-cd) Pyrene	✓		1	GRAB	8270 C	0.2	ND			
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	GRAB			ND			
h. Acenaphthene	✓		1	GRAB	8270 C	0.2	ND			
i. Acenaphthylene	✓		1	GRAB	8270 C	0.2	ND			
j. Anthracene	✓		1	GRAB	8270 C	0.2	ND			
k. Benzo(ghi) Perylene	✓		1	GRAB	8270 C	0.2	ND			
l. Fluoranthene	✓		1	GRAB	8270 C	0.2	ND			
m. Fluorene	✓		1	GRAB	8270 C	0.2	ND			
n. Naphthalene-	✓		1	GRAB	8270 C	0.2	ND			
o. Phenanthrene	✓		1	GRAB	8270 C	0.2	ND			
p. Pyrene	✓		1	GRAB	8270 C	0.2	ND			
37. Total Polychlorinated Biphenyls (PCBs)	✓		1	GRAB	608	0.25	ND			
38. Antimony	✓		1	GRAB	6020	0.5	ND			
39. Arsenic	✓		1	GRAB	6020	0.5	ND			
40. Cadmium	✓		1	GRAB	6020	0.2	ND			
41. Chromium III	✓		1	GRAB	6020	0.5	ND			
42. Chromium VI	✓		1	GRAB	3500 CR-D	10	ND			

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	**mass** (kg)	**concentration** (ug/l)	**mass** (kg)
43. Copper		✓	1	GRAB	6020	0.5	0.6			
44. Lead	✓		1	GRAB	6020	0.5	ND			
45. Mercury	✓		1	GRAB	245.1	0.2	ND			
46. Nickel		✓	1	GRAB	6020	0.5	1.9			
47. Selenium	✓		1	GRAB	6020	1	ND			
48. Silver	✓		1	GRAB	6020	0.4	ND			
49. Zinc		✓	1	GRAB	6020	5	13.4			
50. Iron		✓	1	GRAB	200.7	50	60			
Other (describe): See attached table										

c) For discharges where **metals** are believed present, please fill out the following:

Step 1: Do any of the metals in the influent have a **reasonable potential** to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y____ N__✓__	If yes, which metals?
Step 2: For any metals which have **reasonable potential** to 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? Metals:_____ DF: _____	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 "Yes," list which metals:

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 Figure 3 and the attached letter						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank ✓	Air stripper	Oil/water separator ✓	Equalization tanks	Bag filter ✓	GAC filter
	Chlorination	Dechlorination	Other (please describe): GAC, Ion Exchange, Precipitation System, if necessary (TBD)			
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 50 gpm Maximum flow rate of treatment system 75 gpm Design flow rate of treatment system Not applicable						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets): Please see attached						

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

a) Identify the discharge pathway:	Direct ✓	Within facility	Storm drain ✓	River/brook ✓	Wetlands	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: Effluent will be discharged to a storm drain located within the site, which discharges to the Charles River.						
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 Class B,						
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? Yes ✓ No If yes, for which pollutant(s)? DDT, Eurasian Water Milfoil, Myrio Is there a TMDL? Yes No ✓ If yes, for which pollutant(s)? listed under Cat. 5 Waters, Waters Requiring a TMDL						

6. Results of Consultation with Federal Services: Please provide the following information according to requirements of Part I B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes____No__✓__
Has any consultation with the federal services been completed ? Yes___ No_✓_ or is consultation underway? Yes ____ No_✓__
What were the results of the consultation with the U S Fish and Wildlife Service and/or National Marine Fisheries Service (check one):
a "no jeopardy" opinion? _____or written concurrence____ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?

b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?
Yes_____ No__✓_____ Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes_____ No__✓_____

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.

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 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: 27 Washington Street

Operator signature: Robert J. Cranshaw

Title: Chief Operating Officer, Cranshaw Construction

Date:

APPENDIX B

MSDS and Fact Sheets

USFILTER WESTATES CARBON

AQUACARB® 830 AND 1240

Coal based granular activated carbon

(Formerly KG-401 and KG-502)

FOR MUNICIPAL, INDUSTRIAL AND REMEDIAL WATER TREATMENT

Description & Applications

AquaCarb® 830 and AquaCarb® 1240 are high activity granular activated carbons manufactured from selected grades of bituminous coal. Manufactured by direct activation, they exhibit exceptional hardness and attrition resistance and have become a cost effective choice for use in municipal, industrial and remedial water treatment applications. These high surface area microporous carbons have been specifically developed for the removal of a broad range of organic contaminants from potable, waste and process waters.

- ANSI/NSF Standard 61 classified for use in potable water applications
- Fully conforms to physical, performance and leachability requirements established by the current ANSI/AWWA B604 (which includes the Food Chemical Codex requirements)
- A detailed quality assurance program guarantees consistent quality from lot to lot and shipment to shipment

Quality Control

All AquaCarb® activated carbons are extensively quality checked at our State of California certified environmental and carbon testing laboratory located in Los Angeles, CA. USFilter's laboratory is fully equipped to provide complete quality control analyses using ASTM standard test methods in order to assure the consistent quality of all AquaCarb® carbons.

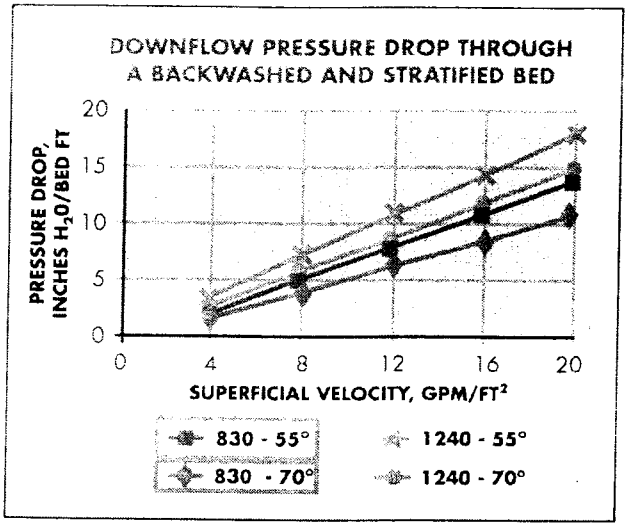
Our technical staff offers hands-on guidance in selecting the most appropriate system, operating conditions and carbon to meet your needs. For more information, contact your nearest USFilter representative.

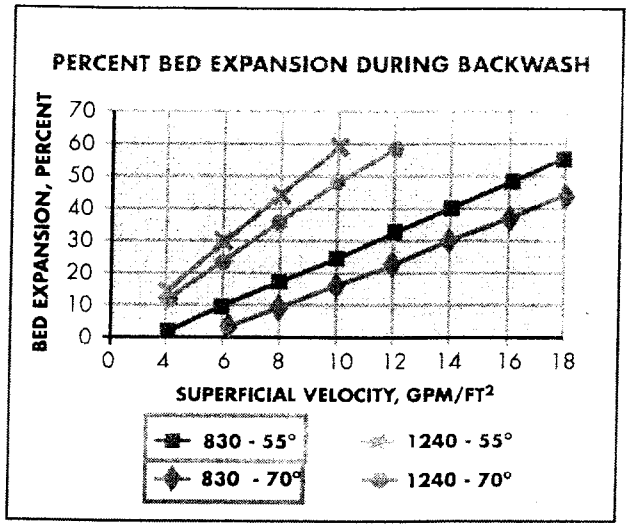
USFilter

AQUACARB® 830
AQUACARB® 1240

Coal based granular activated carbon

(Formerly KG-401 and KG-502)





Safety Note: Wet activated carbon depletes oxygen from the air and therefore dangerously low levels of oxygen may be encountered. Whenever workers enter a vessel containing activated carbon, the vessel's oxygen content should be determined and work procedures for potentially low oxygen areas should be followed. Read Material Safety Data Sheet (MSDS) before using this product.

All information presented herein is believed reliable and in accordance with accepted engineering practices. USFilter makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product suitability for specific applications. USFilter assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale or misuse of its products.

SPECIFICATIONS/TYPICAL PROPERTIES

Specification	AquaCarb® 830	AquaCarb® 1240
Carbon Type	Bituminous Coal	Bituminous Coal
Mesh Size, U.S. Sieve	8 x 30	12 x 40
Effective Size, mm	0.8 - 1.1	0.55 - 0.75
Uniformity Coefficient (max)	2.1	1.9
Iodine No., mgI_2/g (min.)	900	1000
Abrasion No., Wt. % (min.)	80	80
Apparent Density, g/cc	0.46 - 0.54	0.46 - 0.54

USFilter reserves the right to change the specifications referred to in this literature at any time, without prior notice. AquaCarb is a trademark of United States Filter Corporation or its affiliates.

USFilter

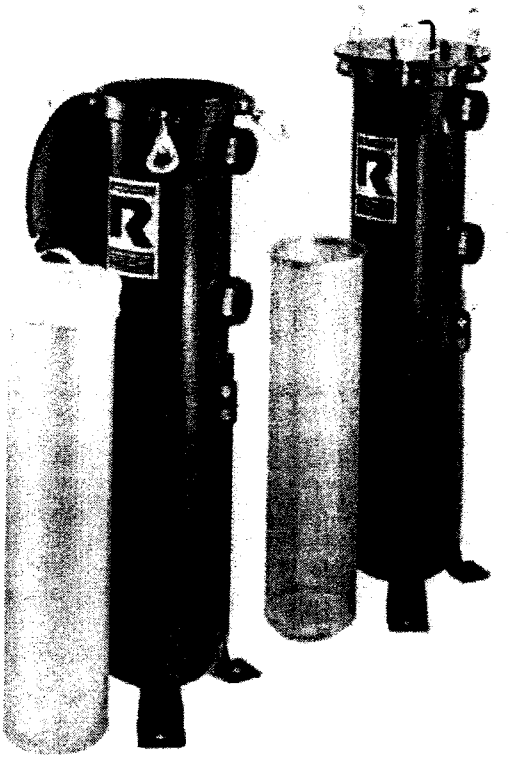
Westates
Customer and
Technical Service Network:

Gulf Coast Region 800.659.1723
(Louisiana) 225.744.3153
Western Region 800.659.1771
Mid-Atlantic Region 800.659.1717
Midwest Region 708.345.7290
Northwest Region 800.659.1718
Southeast Region 225.744.3153
New England Region 800.659.1717

www.usfilter.com

Model NCO Bag or Cartridge Filter Housings

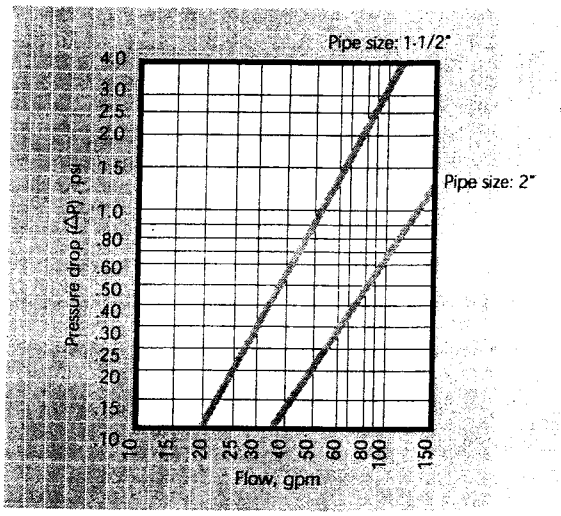
Low cost filter housings for flow rates to 100 gpm*



NCO high-capacity filters offer an exceptional value in basic filtration applications. Offered in a size 2 and size 12 bag housing, the NCO is also available with our Platinum 700 cartridge series.

NCO housings provide large dirt-holding capacity combined with a rugged design rated to 150 psi. The housings incorporate a newly designed hinged, eyenut cover that is easily removed, reducing time spent on bag or cartridge change-out. The NCO bag housing offers versatility for any piping arrangement, utilizing our unistyle design (side and bottom outlet). Two connection sizes are available for both bag and cartridge filters.

The NCO housings are electropolished creating a smooth, easy-to-clean surface. Customize them with several options including, gauges and switches. A variety of filter bags or cartridges (rated 0.5µ absolute to 100µ nominal) can be utilized in this housing. Keep your filtration process cost effective without sacrificing quality.



* Based on housing only. Fluid viscosity, filter bag used, and expected dirt loading should be considered when sizing a filter.

Permanently piped housings are opened without special tools

Carbon or stainless steel housings

Covers are O-ring sealed

O-ring seals: Buna N, EPR and Viton®

150 psi rated housing

Heavy-duty basket, over 50% open area

Uses standard number 1, 2 or 12 size bags and 500 or 700 series cartridges

Filter selection surface area is:
2.3 square feet (number 1 size bag),
4.4 square feet (number 2 size bag),
5.6 square feet (number 12 size bag)
85 square feet (500 series cartridge)
125 square feet (700 series cartridge)

1-1/2-inch or 2-inch NPT inlet and outlet

1/4-inch NPT vent connection

Adjustable leg assembly

How To Order

Build an ordering code as shown in the example.

NSF QUALITY SYSTEM REGISTERED TO ISO 9001: 1994

Example : Housing: **NCO8-30 - 2P - * - 150** | Options: **C - B - PB**

MODEL
NCO8 (#1, #2 bag & 500 cartridge)
NLCO8 (#12 bag)
NCO8135 (700 cartridge)
NCO8135 convertible

BASKET SIZE
15-inch (NCO only) = **15**
30-inch (NCO or NLCO) = **30**
NCO8135 = **No Symbol**

PIPE SIZE
1-1/2-inch female NPT = **1-1/2P**
2-inch female NPT = **2P**

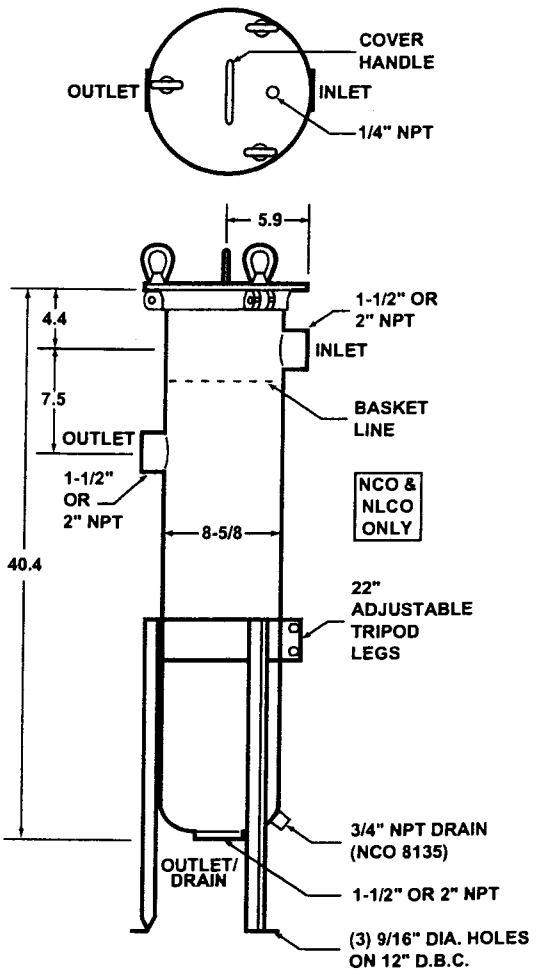
OUTLET STYLE
Side/Bottom Unistyle (NCO or NLCO) = *****
Bottom = **1**

PRESSURE RATING
150 psi = **150**

HOUSING MATERIAL
Carbon steel = **C**
304 Stainless steel = **S**

COVER SEAL
Buna N = **B**
Ethylene propylene = **E**
Viton® Fluoroelastomer = **V**

BASKET TYPE
Filter bag basket (NCO or NLCO) = **PB**
700 Cartridge (NCO8135) = **700**
Convertible (NCO8135) = **700PB**



1. Filter bags are specified separately. See Rosedale Master Catalog 3rd edition.
2. Basket material is compatible with housing.
3. Weight (approximately): 70 lbs.

Rosedale Products, Inc.
3730 W. Liberty Rd, Ann Arbor, MI 48103
Tel: 800-821-5373 or 734-665-8201
Fax: 734-665-2214
http://www.rosedaleproducts.com/
E-mail: filters@rosedaleproducts.com

Call us today for our complete catalog or visit our web site to see our entire product line.

Sheet NCO-100 5M605 Printed in USA

RESINTECH®

ASM-10-HP

ANION EXCHANGE RESIN
ARSENIC SELECTIVE

RESINTECH ASM-10-HP is a strongly basic hybrid anion exchange resin specially formulated to selectively remove arsenic. It is supplied in the salt form as clean, moist, tough, uniform, spherical beads.

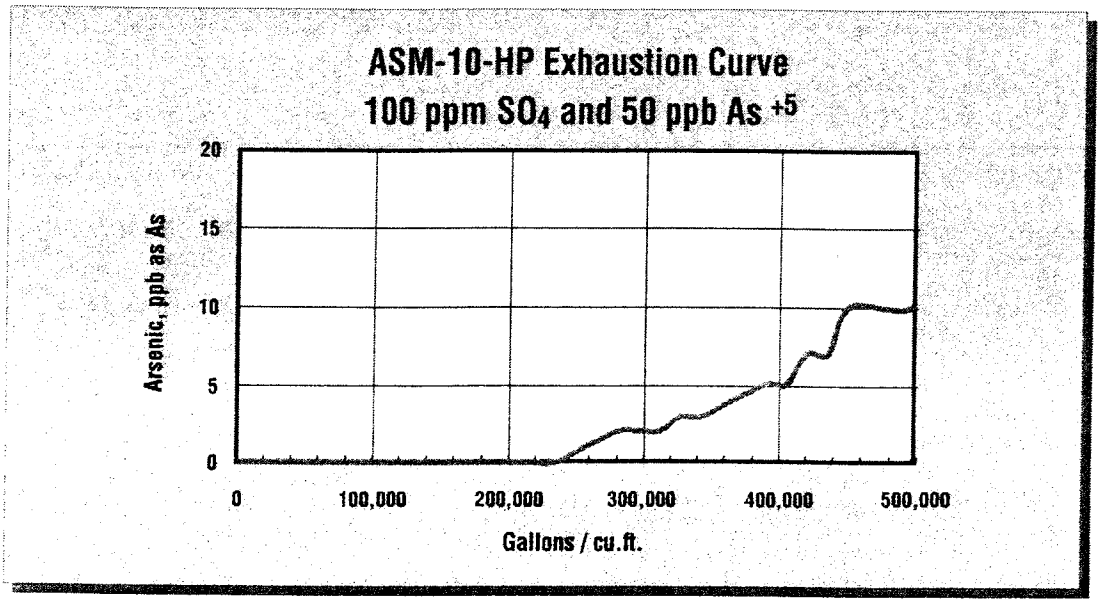
RESINTECH ASM-10-HP exhibits extraordinary throughput capacity in arsenic removal service on potable water supplies. Its performance is virtually unaffected by common anions, such as chlorides, bicarbonates or sulfates. It is effective over the entire pH range of potable water.

RESINTECH ASM-10-HP is also available in organic trap, perchlorate selective and nitrate selective configured resins. These resins are fully selective for arsenic, but still retain their original ion exchange selectivity.

FEATURES & BENEFITS

- **TREMENDOUS AFFINITY FOR ARSENIC OVER OTHER ANIONS**
  Highest arsenic removal capacity of organic based arsenic removal media
- **MADE FROM NSF/ANSI-61 VALIDATED ANION EXCHANGE RESIN**
- **NO ARSENIC DUMPING**
  Effluent arsenic levels will not exceed influent levels if resin is operated past exhaustion point
- **EFFECTIVE ACROSS THE ENTIRE POTABLE WATER pH RANGE**
- **SINGLE USE OR REGENERABLE APPLICATIONS**
- **SUPERIOR PHYSICAL STABILITY**
  Spherical and uniform particle size provide low pressure drop and greater resistance to bed compaction. Unlike granular, coated medias, ASM-10-HP will not shed particles.

Exhaustion Curve



1 Resintech Plaza • 160 Cooper Road • West Berlin,NJ 08091 • Phone:(856)768-9600 • Fax:(856)768-9601 • E-mail:ixresin@resintech.com • Web Site:www.resintech.com

RESINTECH® ASM-10-HP

PHYSICAL PROPERTIES (Cl form)

Polymer Structure	Styrene with DVB
Functional Group	$R\text{-}N\text{-}R^{+}Cl^{-}$
Ionic Form, as shipped	Chloride
Physical Form	Tough, Spherical Beads
Screen Size Distribution	16 to 50 Nominal
- 50 mesh (U.S. Std)	Less than 1 Percent
pH Range	4 to 10
Water Retention	35 to 55 Percent
Solubility	Insoluble
Approximate Shipping Weight	44 lbs./ft^3
Total Capacity	>1.0 meq / mL
Sphericity	> 93 Percent

WATER QUALITY GUIDELINES

Feedwater quality (aside from arsenic) should generally be of potable quality. Please consult your ResinTech technical salesman for recommendations outside the following guidelines:

Conductivity	1000 micromhos/cm
Chloride	250 ppm
Sulfate	250 ppm
pH	5.5 to 9.5
Phosphate	5 ppm
Silica	10 ppm
Turbidity	5 NTU
Chlorine	0.3 ppm

SUGGESTED OPERATING CONDITIONS

Flow Rate	2 to 10 gpm/cu. ft.
	1 to 20 gpm/sq. ft.
Pressure Loss	25 psi max.
Temperature	170°F max.

OPERATING CAPACITY

Under ideal conditions, the 1st cycle throughput capacity for arsenic removal with approximately 50 ppb As^{+5} in the inlet is greater than 500,000 gallons per cu. ft., while producing less than 10 ppb of effluent arsenic. The throughput capacity varies inversely with changes in the influent arsenic levels.

RESINTECH ASM-10-HP has modest capacity for arsenite (As^{+3}). It is suggested that if the arsenite concentration exceeds 20% of the total arsenic present, the feedwater should be pre-chlorinated to ensure conversion to arsenate (As^{+5}).

ASM-10-HP is also selective for other oxy-anions, such as selenate. It will remove modest amounts of both phosphate and silica.

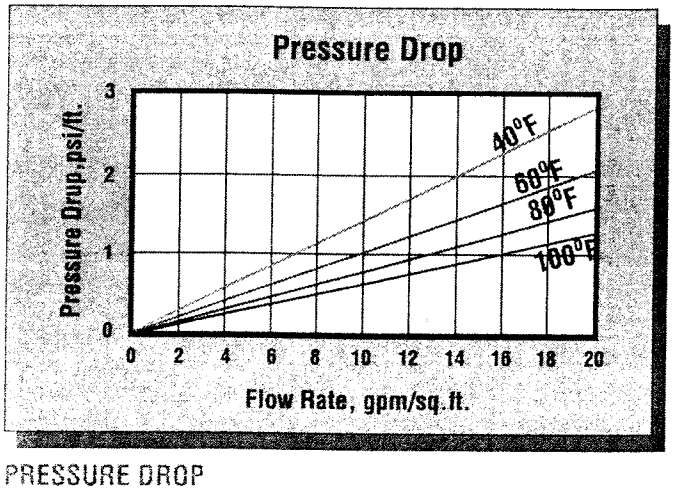
REGENERATION

ResinTech ASM-10-HP can be partially regenerated in the field with alkaline brine. For additional information contact your local ResinTech representative.

DISPOSAL

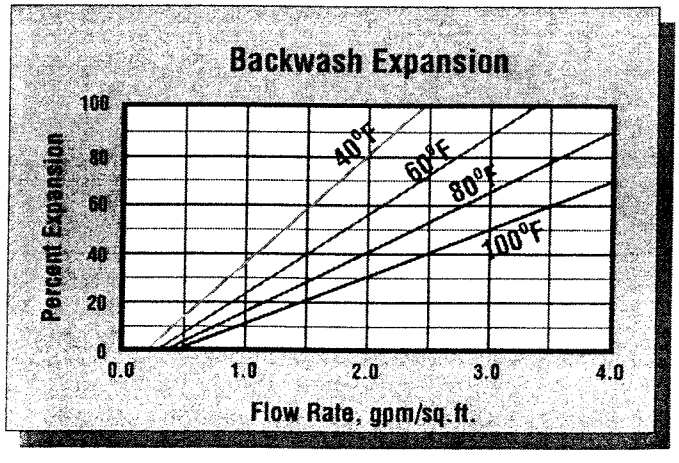
It is recommended that users review local regulations and consult with local authorities on the best method of disposal.

HYDRAULIC PROPERTIES



PRESSURE DROP

The graph above shows the expected pressure loss per foot of bed depth as a function of flow rate at various water temperatures.



BACKWASH

After each cycle the resin bed should be backwashed at a rate that expands the bed 50 to 75 percent. This will remove any foreign matter and reclassify the bed.

RESINTECH

CGS

CATION EXCHANGE RESIN
SOFTENING GRADE
Na FORM

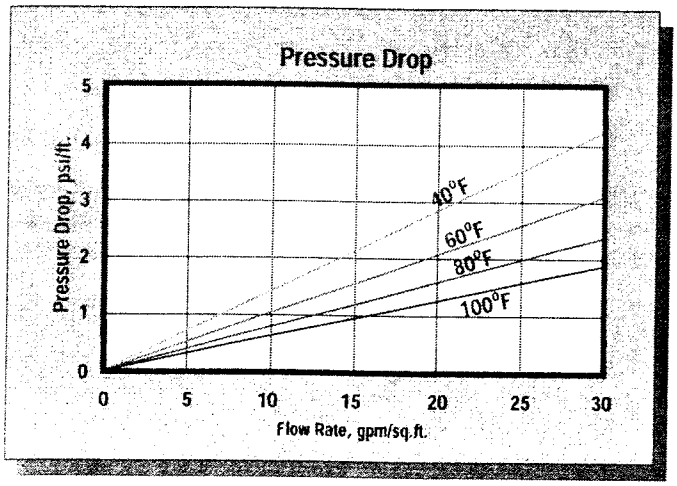
RESINTECH CGS is a high purity, light colored, high capacity, gel type sulfonated polystyrene cation resin supplied in the sodium form as moist, tough uniform spherical beads. *ResinTech CGS* specifically is intended for use in all water softening applications,including beverages, potable water and water used for food processing. It's high capacity and high DVB content provide long life and good chlorine resistance in all potable water applications. (It is also available as a dark colored product *RESINTECH CGS-BL* with identical properties.)

FEATURES & BENEFITS

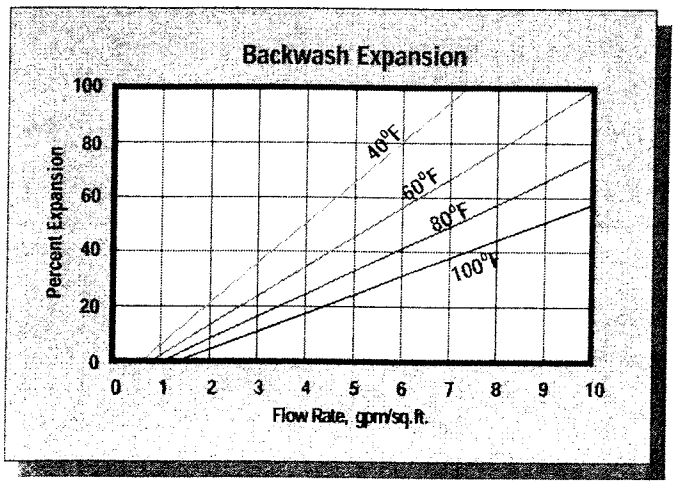
- **COMPLIES WITH FDA REGULATIONS FOR POTABLE WATER APPLICATIONS**
  Conforms to paragraph 21CFR173.25 of the Food Additives Regulations of the F.D.A.*
- **EXCELLENT REGENERATION EFFICIENCY**
  Virtually the same operating capacity as premium grade *ResinTech CG8-BL*
- **NSF/ANSI-61 VALIDATED**
- **UNIFORM PARTICLE SIZE**
  16 to plus 50 mesh range; gives a LOWER PRESSURE DROP while maintaining SUPERIOR KINETICS.
- **SUPERIOR PHYSICAL STABILITY**
  90% plus sphericity and high crush strengths together with a very uniform particle size provide greater resistance to bead breakage while maintaining low pressure drops.
- **LOW COLOR THROW**

*For potable water applications, the resin must be properly pre-treated, usually by multiple exhaustion and regeneration cycles, to insure compliance with extractable levels.

HYDRAULIC PROPERTIES



PRESSURE DROP - The graph above shows the expected pressure loss per foot of bed depth as a function of flow rate, at various temperatures.



BACKWASH - After each cycle the resin bed should be backwashed at a rate that expands the bed 50 to 75 percent. This will remove any foreign matter and reclassify the bed. The graph above shows the expansion characteristics of *RESINTECH CGS* in the sodium form.

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RESINTECH® CGS

PHYSICAL PROPERTIES

Polymer Structure	Styrene Crosslinked with DVB
Functional Group	$R\text{-}(SO_3)^-M^+$
Ionic Form, as shipped	Sodium
Physical Form	Tough, Spherical Beads
Screen Size Distribution	16 to 50
+16 mesh (U.S. Std)	< 5 percent
-50 mesh (U.S. Std)	< 1 percent
pH Range	0 to 14
Sphericity	90+ percent
Uniformity Coefficient	Approx. 1.6
Water Retention	
Sodium Form	48 to 54 percent
Solubility	Insoluble
Shipping Weight	
Sodium Form	48 lbs./cu.ft.
Total Capacity	
Sodium Form	1.8 meq/ml min

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	
Sodium Form	250^0 F
Minimum Bed Depth	24 inches
Backwash Rate	50 to 75% Bed Expansion
Regenerant (NaCl or KCl)	
Concentration	10 to 15 percent
Flow Rate	0.5 to 1.5 gpm/cu.ft.
Contact Time	> 20 minutes
Level	4 to 15 pounds/cu.ft.
Displacement Rate	Same as Regen Flow Rate
Volume	10 to 15 gallons/cu.ft.
Fast Rinse Rate	Same as Service Flow Rate
Volume	35 to 60 gallons/cu.ft.
Service Flow Rate	2 to 10 gpm/cu.ft.

OPERATING CAPACITY

Sodium Chloride (NaCl) Regeneration

The sodium cycle operating capacity of *RESINTECH CGS* for hardness removal at various regeneration levels with an influent calcium/magnesium ratio of 2/1 and a hardness level of 500 ppm, as $CaCO_3$, is shown in the following table:

Pounds NaOH/cu.ft.	Capacity Kilograins/cu.ft.
5	20.0
7.5	25.4
10	29.0
15	33.0

Potassium Chloride (KCl) Regeneration

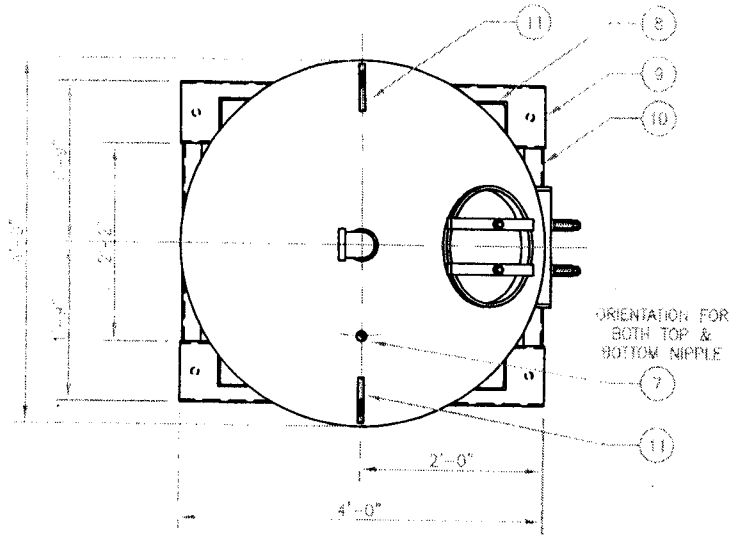
The potassium cycle operating capacity of *RESINTECH CGS* for hardness removal at various regeneration levels with an influent calcium/magnesium ratio of 2/1 and a hardness level of 500 ppm, as $CaCO_3$, is shown in the following table:

Pounds NaOH/cu.ft.	Capacity Kilograins/cu.ft.
5	16.6
7.5	21.8
10	26.6
15	31.2

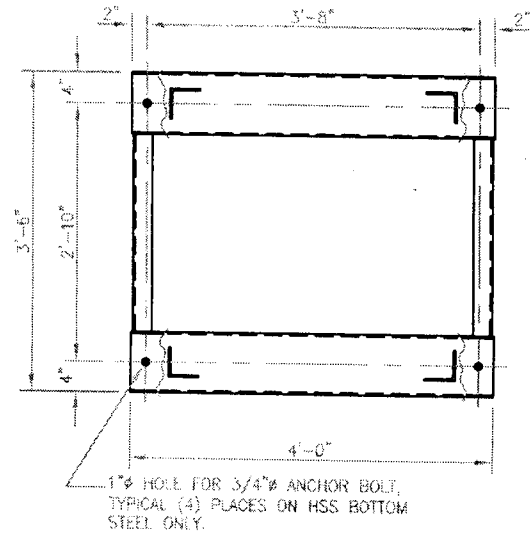
APPLICATIONS

Softening

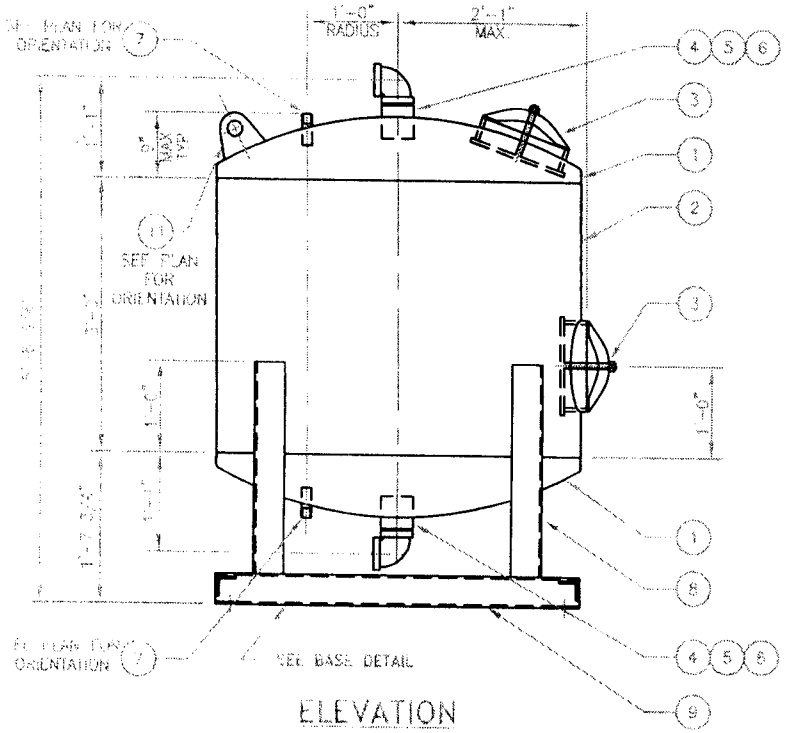
RESINTECH CGS is ideally suited for industrial, commercial, or residential softening applications where free chlorine is not present because of its high capacity, uniform particle size and good physical stability.



PLAN



BASE DETAIL



ELEVATION

#	QTY.	DESCRIPTION
1	2	C.S. STD. Flanged&Dished Non-Code tank head 3/16" THK.
2	1	C.S. 3/16" THK. x 48" OD x 36" Long
3	2	C.S. Elliptical Non-Code Manway Assembly 12"x16" w/ 2 yoke
4	2	3"ø, 150 LBS, C.S. Black Pipe Threaded Coupling
5	2	3"ø, SCH 40, C.S. Close Threaded Nipple
6	2	3"ø, 150 LBS, C.S. Black Pipe 90° Elbow
7	2	1"ø, SCH 40, C.S. 4" Long Threaded Nipple
8	4	Angle 4" x 4" x 1/4" Support Leg
9	2	HSS 8" x 4" x 1/4" Base
10	2	Angle 2 1/2" x 2 1/2" x 1/4" Cross Tie
11	2	Lifting Lug (Design by Fabricator, See Note 2)

GENERAL NOTES

1) MATERIAL SHALL BE CARBON STEEL GRADE A 36 UNLESS NOTED OTHERWISE.

2) FABRICATOR TO DESIGN LIFTING LUGS TO MEET 4000 LBS LIFTING REQUIREMENT.

3) TANK INTERIOR SHALL BE SANDBLASTED TO SSPC-SP-5 WHITE METAL FINISH, PAINTING BY OTHERS.

4) TANK EXTERIOR SANDBLASTING AND PAINTING BY OTHERS.

5) TANK SHALL BE LEVEL +/- ONE DEGREE.

6) FABRICATION TOLERANCE SHALL BE +/- (1/4) INCH.

7) UNLESS NOTED OTHERWISE, ALL WELDS SHALL BE SEAL WELD, ALL JOINTS SHALL BE WELDED BOTH SIDE WHERE APPLICABLE.

8) STEEL PLATES JOINING METHOD SHOWN ARE INTENDED FOR REFERENCES ONLY, FINAL STEEL JOINING METHOD SHALL BE DETERMINE BY FABRICATOR TO SUIT THEIR SHOP PREFERENCES.

9) THE TANK SHALL BE PRESSURE TESTED TO HOLD WATER AT FULL CAPACITY AT 75 PSI PRIOR SHIPMENT.

10) THIS DRAWINGS IS THE PROPERTY OF GROUND/WATER TREATMENT & TECHNOLOGY, INC

NO.	REVISIONS	DATE
A	FOR QUOTATION	06/28/05

1000 LBS LIQUID PHASE ADSORPTION TANK GENERAL ARRANGEMENT & DETAILS

SCALE:	NONE	APPROVED:	DRAWN BY: TLo
DATE:	06/27/05		

GROUNDWATER TREATMENT & TECHNOLOGY
P.O. BOX 1174
DENVILLE, NJ 07834

FILE: 11-1181 DRAWING NUMBER: M-01

SBG1

ANION EXCHANGE RESIN
TYPE ONE GEL
Cl OR OH FORM

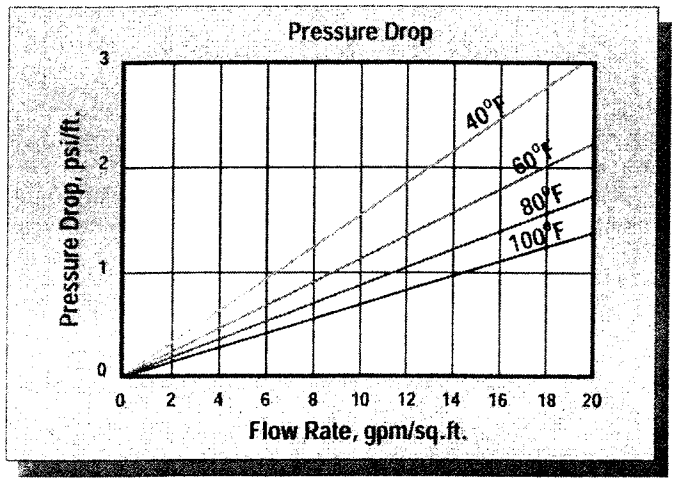
ResinTech SBG1 is a high capacity, shock resistant, gelular, Type 1, strongly basic anion exchange resin supplied in the chloride or hydroxide form as moist, tough, uniform, spherical beads. *ResinTech SBG1* is intended for use in all types of deionization systems and chemical processing applications. It is similar to *ResinTech SBG1P* but has a higher volumetric capacity and exhibits lower TOC leach rates. This makes it the better performer in single use applications such as in cartridge deionization and when high levels of regeneration are used such as in polishing mixed beds. On the other hand, *ResinTech SBG1P* is more resistant to organic fouling and gives higher operating capacities at low regeneration levels such as those used in make up demineralizers.

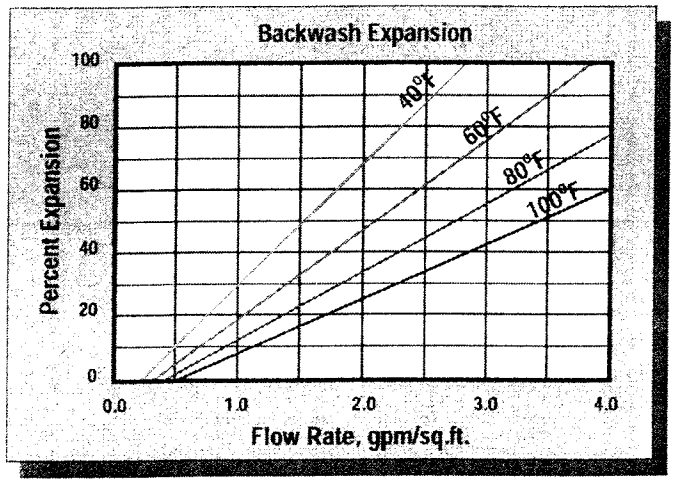
FEATURES & BENEFITS

- **COMPLIES WITH FDA REGULATIONS FOR POTABLE WATER APPLICATIONS.**
  Conforms to paragraph 21CFR173.125 of the Food Additives Regulations of the F.D.A.*
- **HIGH TOTAL CAPACITY**
  Provides longer run lengths in single use applications or where high levels of regeneration are used such as in mixed bed polishers, cartridge demineralizers.
- **UNIFORM PARTICLE SIZE**
  16 to plus 50 mesh range; gives a LOWER PRESSURE DROP while maintaining SUPERIOR KINETICS.
- **SUPERIOR PHYSICAL STABILITY**
- **LOWER TOC LEACH RATE**
  Makes it ideal for polishing mixed beds in wafer washing and other high purity water polishing applications.

*For potable water applications, the resin must be properly pre-treated, usually by multiple exhaustion and regeneration cycles, to ensure compliance with extractable levels.

HYDRAULIC PROPERTIES





PRESSURE DROP

The graph above shows the expected pressure loss per foot of bed depth as a function of flow rate, at various temperatures.

BACKWASH

After each cycle the resin bed should be backwashed at a rate that expands the bed 50 to 75 percent. This will remove any foreign matter and reclassify the bed. The graph above shows the expansion characteristics of *ResinTech SBG1* in the sodium form.

1 Resintech Plaza · 160 Cooper Road · West Berlin,NJ 08091 · Phone:(856)768-9600 · Fax:(856)768-9601 · E-mail:ixresin@resintech.com · Web Site:www.resintech.com

RESINTECH® SBG1

PHYSICAL PROPERTIES

Polymer Structure	Styrene Crosslinked with DVB
Functional Group	R-N-$(CH_3)_3{}^+Cl^-$
Ionic Form, as shipped	Chloride or Hydroxide
Physical Form	Tough, Spherical Beads
Screen Size Distribution	16 to 50
+16 mesh (U.S. Std)	< 5 percent
-50 mesh (U.S. Std)	< 1 percent
pH Range	0 to14
Sphericity	> 93 percent
Uniformity Coefficient	Approx. 1.6
Water Retention	
Chloride Form	43 to 50 percent
Hydroxide Form	Approx. 53 to 60 percent
Solubility	Insoluble
Approximate Shipping Weight	
Cl Form	44 lbs/cu.ft.
OH Form	41 lbs/cu.ft.
Swelling Cl- to OH-	18 to 25 percent
Total Capacity	
Cl Form	1.45 meq/ml min
OH Form	1.15 meq/ml min

SUGGESTED OPERATING CONDITIONS

Maximum Continuous Temperature	
Hydroxide Form	140°F
alt Form	170°F
Minimum Bed Depth	24 inches
Backwash Rate	50 to 75 percent Bed Expansion
Regenerant Concentration*	2 to 6 percent
Regenerant Flow Rate	0.25 to 1.0 gpm/cu.ft.
Regenerant Contact Time	At least 40 Minutes
Regenerant Level	4 to 10 pounds/cu.ft.
Displacement Rinse Rate	Same as Regenerant Flow Rate
Displacement Rinse Volume	10 to 15 gals/cu.ft.
Fast Rinse Rate	Same as Service Flow Rate
Fast Rinse Volume	35 to 60 gals/cu.ft.
Service Flow Rates	
Polishing Mixed Beds	3 to 15 gpm/cu.ft.
Non-Polishing Apps.	2 to 4 gpm/cu.ft.

OPERATING CAPACITY

The operating capacity of *RESINTECH SBG1* for a variety of acids at various regeneration levels when treating an influent with a concentration 500 ppm, expressed as $CaCO_3$ is shown in the following table:

Pounds NaOH/ft³	Capacity Kilograms per cubic foot			
	HCl	H_2SO_4	H_2SiO_3	H_2CO_3
4	11.3	14.0	14.7	18.6
6	12.8	16.3	17.3	19.8
8	14.3	13.3	19.5	21.6
10	15.5	20.0	22.2	22.2

APPLICATIONS

DEMINERALIZATION – *RESINTECH SBG1* is highly recommended for use in mixed bed demineralizers, wherever complete ion removal; superior physical and osmotic stability and low TOC leachables are required such as in wafer fabrication and other ultrapure applications.

RESINTECH SBG1 has high total capacity and low swelling on regeneration and provides maximum operating capacity in cartridge deionization applications. It is ideal for single use applications such as precious metal recovery, radwaste disposal and purification of toxic waste streams.

Highly crosslinked Type 1, styrenic anion exchangers have greater thermal and oxidation resistance than other types of strong base resins. They can be operated and regenerated at higher temperatures. The combination of lower porosity, high total capacity and Type 1 functionality make *RESINTECH SBG1* the resin of choice when water temperatures exceed 85°F and where the combination of carbon dioxide, borate and silica exceed 40% of the total anions.

RESINTECH SBG1P and *RESINTECH SBG1* are quite similar; the difference between them is the degree of porosity. *RESINTECH SBG1P* has greater porosity that gives it faster kinetics, and greater ability to reversibly sorb slow moving ions such as Naturally occurring Organic Matter (NOM). At lower regeneration levels and where chlorides make up a substantial portion of the anion load, or where the removal and elution of naturally occurring organics is of concern *RESINTECH SBG1P*, SBACR or SBG2 should be considered. At the higher regeneration levels used in mixed bed polishers *RESINTECH SBG1* provides higher capacity, and the lowest possible TOC leach rates.

Applied Polymer Systems, Inc.

Material Safety Data Sheet

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name: APS 702aa Floc Log

Supplied:

Applied Polymer Systems, Inc.
519 Industrial Drive
Woodstock, GA 30189
www.siltstop.com
Tel. 678-494-5998
Fax. 678-494-5298

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation: Anionic water-soluble Co-polymer gel

3. HAZARD IDENTIFICATION

Placement of these materials on wet walking surface will create extreme slipping hazard.

4. FIRST AID MEASURES

Inhalation: None

Skin contact: Contact with wet skin could cause dryness and chapping. Wash with soap and water. Use of rubber gloves required.

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids, seek medical attention in case of persistent irritation.

Ingestion: Consult a physician

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water, water spray, foam, carbon dioxide, dry powder.

Special fire-fighting precautions: Floc Logs that become wet render surfaces extremely slippery.

Protective equipment for firefighters: No special equipment required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: No special precautions required.

Methods for cleaning up: Dry wipe as well as possible. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Wash hands after handling.

Storage: Keep in a cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Use dry handling areas only.

Personal protection equipment

Respiratory Protection:	None
Hand protection:	Dry cloth, leather or rubber gloves.
Eye Protection:	Safety glasses with side shields. Do not wear contact lenses.
Skin protection:	No special protective clothing required.
Hygiene measures:	Wash hands before breaks and at end of work day.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Granular semi-solid gel
Color:	White to Brown
Odor:	None
pH:	7.89
Melting point:	N/A
Flash point:	N/A
Vapor density:	N/A

10. STABILITY AND REACTIVITY

Stability: Product is stable, no hazardous polymerization will occur.

Materials to avoid: Oxidizing agents may cause exothermic reactions.

Hazardous decomposition products: Thermal decomposition may produce nitrogen oxides (NOx), carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral:

LC 50/*Daphnia Magna*/48h/>420mg/L

Inhalation: None

12. ECOLOGICAL INFORMATION

Water Flea: LC 50/*Daphnia Magna*/48h/>420mg/l

Algae: EC 50/*Selenastrum capricornutum*/96h>500mg/l

Bioaccumulation: The product is not expected to bioaccumulate.

Persistence / degradability: Not readily biodegradable: (~85% after 180 days).

13. TRANSPORT AND REGULATORY INFORMATION

Not regulated by DOT, **RCRA status-Not a hazardous waste**

NFPA and HMIS ratings:

NFPA	**Health:**	**3**	**Flammability:**	**0**	**Reactivity:**	**1**
HMIS	**Health**	**2**	**Flammability**	**0**	**Reactivity**	**1**

Back

Floc Log Specifications:

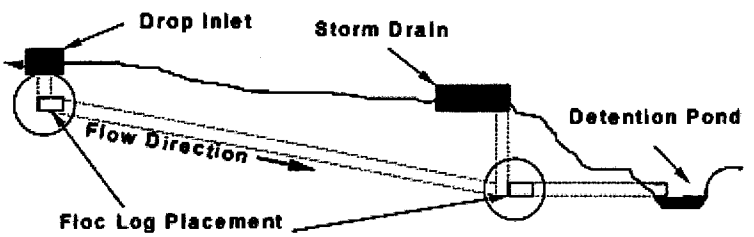
Floc Log Specifications:
ANSI/NSF Standard Drinking Water Treatment Chemical Additives
EPA/600/R-98/182 168 Hr. Chronic Toxicity Test (Pimephales promelas)
EPA/600/4-90/027F 48Hr. Acute Static Screen Toxicity Test (Daphnia Magna)

APS, Inc. currently has over (40) types of Floc Log ®. Each are designed for specific soils or lithologies. Each Floc Log ® is tailored for the specific requirement of water chemistry and soil within your geographical area. Most soils within EPA Region 4 have been classified and will not require a soil and water sample. Areas outside EPA Region 4 will require a soil and water sample. There is no charge for this analysis.

Floc Log ® is available in two forms, clarifier and particle. Clarifier Floc Log ® is used for colloidal water and very fine suspended particles. Particle Floc Log ® is used for heavily particle laden water in areas before sediment traps and sediment ponds.

Enhancement tools and Engineering designs are available on request:
APS Particle Curtain, APS Soft Armor,
APS Floc Log Mix Tank, APS Byron Box

Consult your local distributor or Applied Polymer Systems, Inc. for proper Floc Log © type, correct application and other Silt Stop products.



Applied Polymer Systems, Inc.
519 Industrial Drive • Woodstock, GA 30189
678.494.5998
info@siltstop.com

APPENDIX C

Best Management Practices Plan (BMPP)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
REMEDIATION GENERAL PERMIT
27 WASHINGTON STREET
WELLESLEY, MASSACHUSETTS

Best Management Practices Plan

A Notice of Intent for a Remediation General Permit (RGP) under the National Pollutant Discharge Elimination System (NPDES) has been submitted to the US Environmental Protection Agency (EPA) in anticipation of temporary construction dewatering planned to occur at the 27 Washington Street project site in Wellesley, Massachusetts. This Best Management Practices Plan (BMPP) has been prepared as an Appendix to the RGP and will be posted at the site during the time period that temporary construction dewatering is occurring at the site.

Water Treatment and Management

Construction dewatering effluent is anticipated to be pumped from well points installed in sump pits within the excavation, through hoses, and directly into a tank for sedimentation control. The effluent will then flow through any necessary treatment systems and discharge through hoses to storm drains on site that discharge to the Charles River. Dewatering effluent treatment may consist of sedimentation tank, bag filters, granular activated carbon (GAC), ion exchange, or precipitation, as required.

Discharge Monitoring and Compliance

Regular sampling and testing will be conducted at the influent to the system and the treated effluent as required by the RGP. This includes chemical testing required within the first month of discharging, and the monthly testing to be conducted through the end of the scheduled discharge.

Monitoring will include checking the condition of the treatment system, assessing the need for treatment system adjustments based on monitoring data, observing and recording daily flow rates and discharge quantities, and verifying the flow path of the discharged effluent.

The total monthly flow will be monitored by checking and documenting the flow through the flow meter to be installed on the system. Flow will be maintained below the "system design flow" by regularly monitoring flow and adjusting the amount of construction dewatering as needed.

Monthly monitoring reports will be compiled and maintained at the site.

System Maintenance

A number of methods will be used to minimize the potential for violations for the term of this permit. Scheduled regular maintenance of the treatment system will be conducted to verify proper operation. Regular maintenance will include checking the condition of the treatment system equipment such as the fractionization tanks, filters, hoses, pumps, and flow meters. Equipment will be monitored daily for potential issues or unscheduled maintenance requirements.

Employees who have direct or indirect responsibility for ensuring compliance with the RGP will be trained by the Operator.

Miscellaneous Items

It is anticipated that the excavation support system, erosion control measures, and the nature of the site and surrounding infrastructure will minimize potential runoff to or from the site. The project specifications also include requirements for erosion control. Site security for the treatment system will be covered within the overall site security plan.

No adverse affects on designated uses of surrounding surface water bodies is anticipated. The nearest surface water body is the Charles River, which borders the northern limit of the site. Dewatering effluent will be pumped to a sedimentation tank and bag filter, at a minimum, prior to discharge to the storm drains.

Management of Treatment System Materials

Dewatering effluent will be pumped directly to the treatment system from the excavation with use of hoses and sumps to minimize handling. The Contractor will establish staging areas for equipment or materials storage that may be possible sources of pollution away from any dewatering activities, to the extent practicable.

Sediment from the fractionization tank used in the treatment system will be characterized and removed from the site to an appropriate receiving facility, in accordance with applicable laws and regulations. If used, granular activated carbon and/or ion exchange resin may be recycled and/or removed from the site to an appropriate receiving facility. Bag filters, if used, will be disposed of as necessary.

Appendix D

National Register of Historic Places and
Massachusetts Historical Commission Documentation

Massachusetts Historical Commission

William Francis Galvin, Secretary of the Commonwealth

Massachusetts Cultural Resource Information System

MACRIS

The Massachusetts Cultural Resource Information System (MACRIS) allows you to search the Massachusetts Historical Commission database for information on historic properties and areas in the Commonwealth.

Users of the database should keep in mind that it does not include information on all historic properties and areas in Massachusetts, nor does it reflect all the information on file on historic properties and areas at the Massachusetts Historical Commission.

Click here to begin your search of the MACRIS database.

Massachusetts Cultural Resource Information Syste
MACRIS

Results

Get Results in Report Format
PDF Spreadsheet

Below are the results of your search, using the following search criteria:
Town(s): Wellesley
Street No: 27
Street Name: Washington

For more information about this page and how to use it, click here

No Results Found.

New Search | New Search – Same Town(s) | Previous

MHC Home | MACRIS Home

Massachusetts Cultural Resource Information Syste
MACRIS

Results

Get Results in Report Format
PDF Spreadsheet

Below are the results of your search, using the following search criteria:
Town(s): Wellesley
Street No: 27
Street Name: Mica
Resource Type(s): Area, Building, Burial Ground, Object, Structure

For more information about this page and how to use it, click here

Inv. No.	Property Name	Street	Town	Year		
WEL.287	Billings and Clapp Chemical Company	27 Mica Ln	Wellesley	1872		

1 Properties Found

New Search | New Search – Same Town(s) | Previous

MHC Home | MACRIS Home

Massachusetts Cultural Resource Information System

Scanned Record Cover Page

Inventory No:	WEL.287
Historic Name:	Billings and Clapp Chemical Company
Common Name:	Rounds Chocolate Company - American Mica Corp.
Address:	27 Mica Ln
City/Town:	Wellesley
Village/Neighborhood:	Lower Falls
Local No:	
Year Constructed:	
Architect(s):	
Architectural Style(s):	Italianate; No style
Use(s):	Food Processing and Packaging; Industrial Complex or District; Other Manufacturing
Significance:	Architecture; Industry
Area(s):	
Designation(s):	

FORM B - BUILDING

Area	Form no.
	287

MASSACHUSETTS HISTORICAL COMMISSION
294 Washington Street, Boston, MA 02108

Lower Falls

Wellesley Hills

ess 27 Mica Lane

oric Name Billings & Clapp Chemical Company OR Rounds Chocolate Company

Original factory

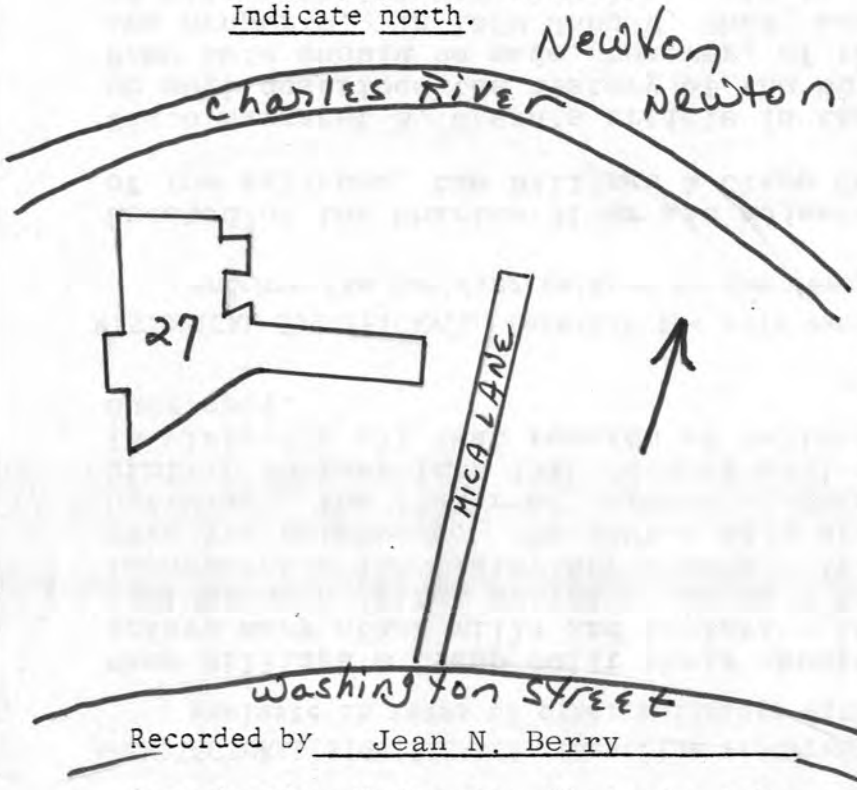
Present light industry

rship: ☐ Private individual
Private organization X
Software Arts, Inc.
Public

Original owner Charles Billings & Albion R. Clapp

SKETCH MAP

Draw map showing property's location in relation to nearest cross streets and other buildings or geographical features. Indicate north.



Recorded by Jean N. Berry

Organization Wellesley Historical Comm.

Date October 1981

DESCRIPTION:

Date 1872

Source Deeds, tax records, article in TOWNSMAN 8-10-67

Style old stone part: simple factory brick additions: typical 19th cen.

Architect factory

Exterior wall fabric stone/brick

Outbuildings none

Major alterations (with dates) 1898-9
Large mill building of brick added to existing complex. Rear buildings joined together and to new building and covered with matching brick.

Moved No Date

Approx. acreage 35,000 s.f.

Setting The buildings are set back from Mica Lane some 45'. Mica Lane is perpendicular to Route 16 (Washington Street) in busy Wellesley Lower Falls. Mica Lane ends at the Charles River.

(Staple additional sheets h[illegible])

Massachusetts Cultural Resource Information System

Scanned Record Cover Page

Inventory No:	WEL.308
Historic Name:	Parker House
Common Name:	
Address:	44 Washington St
City/Town:	Wellesley
Village/Neighborhood:	Lower Falls
Local No:	
Year Constructed:	
Architect(s):	Jordan, Allen
Architectural Style(s):	Greek Revival
Use(s):	Business Office; Single Family Dwelling House
Significance:	Architecture
Area(s):	
Designation(s):	

The Massachusetts Historical Commission (MHC) has converted this paper record to digital format as part of ongoing projects to scan records of the Inventory of Historic Assets of the Commonwealth and National Register of Historic Places nominations for Massachusetts. Efforts are ongoing and not all inventory or National Register records related to this resource may be available in digital format at this time.

The MACRIS database and scanned files are highly dynamic; new information is added daily and both database records and related scanned files may be updated as new information is incorporated into MHC files. Users should note that there may be a considerable lag time between the receipt of new or updated records by MHC and the appearance of related information in MACRIS. Users should also note that not all source materials for the MACRIS database are made available as scanned images. Users may consult the records, files and maps available in MHC's public research area at its offices at the State Archives Building, 220 Morrissey Boulevard, Boston, open M-F, 9-5.

Users of this digital material acknowledge that they have read and understood the MACRIS Information and Disclaimer (http://mhc-macris.net/macrisdisclaimer.htm)

Commonwealth of Massachusetts
Massachusetts Historical Commission
220 Morrissey Boulevard, Boston, Massachusetts 02125
www.sec.state.ma.us/mhc

This file was accessed on:

Tuesday, June 15, 2010 at 1:29: PM

FORM B - BUILDING

Area	Form no.
	308

MASSACHUSETTS HISTORICAL COMMISSION

Pl - Lower Falls

n Wellesley Hills

ress 44 Washington Street

toric Name Parker House

: Original residence

Present offices

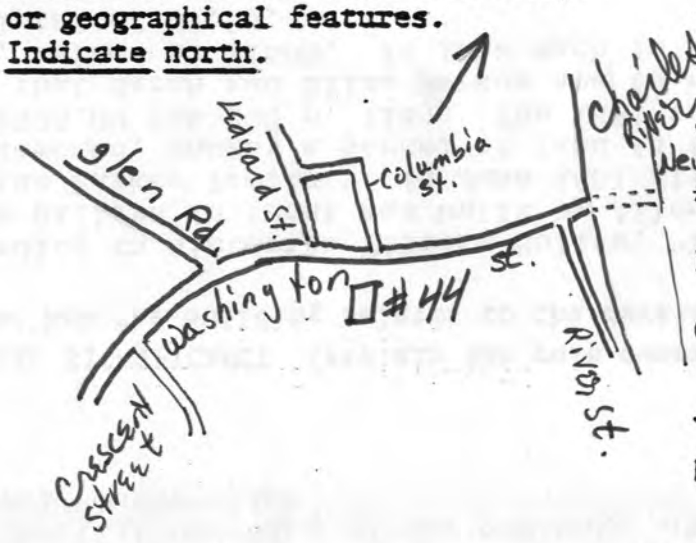
ership: ☒ Private individual
Private organization

Public

Original owner Sarah & Eliza Parker

SKETCH MAP

Draw map showing property's location in relation to nearest cross streets and other buildings or geographical features. Indicate north.



DESCRIPTION:

Date 1851

Source Tax records, Needham archives

Style Greek Revival

~~Architect~~ Builder: Allen Jordan

Exterior wall fabric clapboard and flat board in front, brick on sides and rear

Outbuildings none

Major alterations (with dates) dormers, and rear addition, 20th century

Moved No Date

Approx. acreage 7425 s.f.

Setting Once in the heart of a residential area, the house is now part of the business orientation of the street. Sited on busy Washington Street, the columns and white facade make the house stand out from its neighbors.

Recorded by Jean N. Berry

Organization Wellesley Historical Comm.

Date Febuary 1982

(Staple additional sheets here)

WEL.308

ARCHITECTURAL SIGNIFICANCE (describe important architectural features and evaluate in terms of other buildings within community)

The Greek Revival mode is evidenced in the house's gable end to the street, and second floor projecting to create a porch below. Four fluted columns with Doric caps appear at the porch. Two long windows and an entrance on the side evoke Greek Revival building. The door has lights on the sides and at the top. Extremely wide cornice boards and the flat boarding on the pediment are also examples of Greek Revival construction.

HISTORICAL SIGNIFICANCE (explain the role owners played in local or state history and how the building relates to the development of the community)

According to historian William Hollis, "The little white building with low white pillars in front was built by Allen Jordan, a builder in Lower Falls, for the Parker family." In June 1851 Eliza T. Parker and Sarah D. Parker, singlewomen, bought a parcel of land in the Lower Falls from Charles Rice for $325.00 (Bk 202 p. 118). The 1851 tax record carries a handwritten note that Sarah and Eliza Parker are to be taxed for a new house and new barn, valued at $1500. In 1852 each is listed separately, paying half the total tax of $7.39.

Eliza Parker died in 1855, Sarah in 1875. Their home was inherited by Susan Rebecca Parker; she lived there until her death in 1906. Well-known Wellesley physician, Otho L. Schofield was trustee under Miss Parker's will and sold the property in 1947 to John Ennis (Bk. 2706 p. 451). In 1948 Joseph and Elizabeth Howard bought 44 Washington Street and remained as owners until 1955 when they sold to Sara F. Pray. Mrs. Pray conveyed to C. Peter R. Gossels, trustee of the Haliwell Trust in 1962 and the following year Gossels sold to current owner, G. Arnold Haynes.

According to Hollis, Mrs. Mary Jordan Parker was the last of the family to live in the house. She was a daughter of Allen Jordan, and her husband was a nephew of Miss Susan Parker. After she left the house, she went to live with her sister Emily Jordan and daughter-in-law Mrs. Allen Parker, in Newton Lower Falls, in the Jordan family home. Mary Jordan's aunt, Miss Sarah Fuller, was principal of a school for the deaf and dumb in Boston and worked with Alexander Graham Bell, who lived in Wellesley Lower Falls for a time. **

Use by business has not taken away the attractiveness of the house; it sits like a gem in a new setting.

BIBLIOGRAPHY and/or REFERENCES

Needham Archives.
Assessor's Office.
Norfolk County Registry of Deeds.
Recollections of the Lower Falls, Wm. H. Hollis.

** The Parker family descended from Peter Parker, who lived at 51 Glen Road in the house built in 1721 by William Chub.

WEL.287

Original yellow form: Eligibility file _____
Copies: Inventory form ✓
Town file(w/corresp.) _____
Macris _____
NR director _____

Community: WELLESLEY

MHC OPINION: ELIGIBILITY FOR NATIONAL REGISTER

Date Received: 2/13/95 Date Due: Date Reviewed: 3/1/95

Type: x Individual __District (Attach map indicating boundaries)

Name: Billings Clapp & Company Building Inventory Form: WEL.287

Address: 27 Mica Lane

Requested by: Matt Kierstead, Wellesley resident

Action: x Honor __ITC __Grant __R & C __Other:

Agency: Staff in charge of Review: BF

INDIVIDUAL PROPERTIES

x Eligible
___ Eligible, also in district
___ Eligible only in district
___ Ineligible
___ More information needed

DISTRICTS

___ Eligible
___ Ineligible
___ More information needed

CRITERIA: x A __B __C __D

LEVEL: x Local __State __National

STATEMENT OF SIGNIFICANCE by Kathleen Kelly Broomer

The Billings, Clapp & Company building (a/k/a American Mica Corporation building, a/k/a/ Rounds Chocolate Company building) meets Criterion A for its strong historic associations with Wellesley's industrial development, an aspect of the town's history eclipsed by suburban development of the late 19th and 20th centuries. A remnant of the industrial activity once prevalent at Lower Falls, the building housed four manufacturing concerns that produced, in turn, chemicals and drugs, electrical insulation, chocolate, and marine adhesives during the period of historical significance (ca. 1872 to ca. 1945). MHC inventory files indicate the building is one of very few examples of industrial architecture to survive in Wellesley, as well as the only extant example of large-scale historic industrial construction in the town. The building has sustained some exterior alteration in the conversion to office use, namely installment of slider sash and removal of 20th-century loading docks and overhead garage doors. Staff finds, however, that the building does retain sufficient historic integrity to be eligible for National Register listing.

National Register Research

National Register of Historic Places database

Since its inception in 1966, more than 80,000 properties have been listed in the National Register. Together these records hold information on more than 1.4 million individual resources--buildings, sites, districts, structures, and objects--and therefore provide a link to the country's heritage at the national, state, and local levels.

The Documentation consists of

- National Register registration form, which provides a physical description of the place, information about its history and significance, and a bibliography.
- Photographs
- Maps (We are plotting our properties into **Google Earth layers**)

Examine sample National Register nominations by looking at our **Sample Nominations** page or a highlighted property in our **weekly list.**

Research our Collection:

- We are currently digitizing our records and have put many of them online in our **database at: http://nrhp.focus.nps.gov/**
- Our older database, the NRIS, is still online at: **http://www.nr.nps.gov/.** The NRIS is good for looking at MPS covers.
- Visit our archives. Open Monday through Friday 9:00am to noon . For security reasons, an appointment is necessary to access our building. To schedule an appointment please contact Ricah Marquez: 202-354-2226 or **e-mail**
- Many State Historic Preservation Offices (SHPOs) have digitized their files and put them online. The depth of information available varies from state to state, but ranges from basic locational information to searchable databases with downloadable narrative descriptions and photos. You can check their websites to see if they have the information you need. **List of SHPOs extended information.**
- Request copies of individual nominations either via **e-mail** please include your mailing address and the property name, county, and state. or postal mail:
  National Register of Historic Places
  National Park Service
  1839 C St., NW (MS 2280)
  Washington, DC 20240

  Please note, due to irradiation of USPS mail in Washington, DC, we recommend sending official correspondence to us by direct or overnight mail at the following address:

  1201 Eye St., NW
  8th Floor (MS 2280)
  Washington, DC 20005

FULL RECORD DISPLAY

Current Record: 1 of 1 in NPS Digital Library

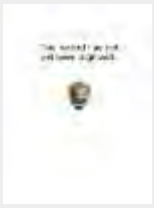
Go back to: Title List | Revise Search

Choose format:
JPG | DjVu

For advanced viewing install **DjVu browser plugin**.

1. Choose the option for Autoinstallation
2. takes about 20 seconds
3. About DjVu and plugin help

Begin DjVu install



Choose format:
JPG | DjVu

For advanced viewing install **DjVu browser plugin**.

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2. takes about 20 seconds
3. About DjVu and plugin help

Begin DjVu install

St. Mary's Church and Cemetery [Image]

URL: http://pdfhost.focus.nps.gov/docs/NRHP/Text/80000637.pdf
Link will open in a new browser window

URL: http://pdfhost.focus.nps.gov/docs/NRHP/Photos/80000637.pdf
Link will open in a new browser window

Publisher: National Park Service
Published: 04/16/1980
Access: Public access
Restrictions: All Rights Reserved
Format/Size: Physical document with text, photos and map
Language: eng: English
Note: 258 Concord St.
Item No.: 80000637 *NRIS (National Register Information System)*
Subject: ARCHITECTURE/ENGINEERING
Subject: ARCHITECTURE
Subject: FEDERAL
Subject: BUILDING
Subject: 1825-1849

Subject: 1800-1824

Keywords: 1892;1814;1838

Place: MASSACHUSETTS -- Middlesex County -- Newton

Record Number: 381123

Record Owner: National Register of Historic Places

National Register of Historic Places

FULL RECORD DISPLAY

Current Record: 1 of 1 in NPS Digital Library

Go back to: Title List | Revise Search

Choose format:
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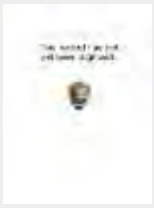
For advanced viewing install **DjVu browser plugin**.

1. Choose the option for Autoinstallation
2. takes about 20 seconds
3. About DjVu and plugin help

Begin DjVu install



Choose format:
JPG | DjVu

For advanced viewing install **DjVu browser plugin**.

1. Choose the option for Autoinstallation
2. takes about 20 seconds
3. About DjVu and plugin help

Begin DjVu install

Curtis, William, House [Image]

URL: http://pdfhost.focus.nps.gov/docs/NRHP/Text/86001788.pdf
Link will open in a new browser window

URL: http://pdfhost.focus.nps.gov/docs/NRHP/Photos/86001788.pdf
Link will open in a new browser window

Publisher: National Park Service
Published: 09/04/1986
Access: Public access
Restrictions: All Rights Reserved
Is Part Of: Newton MRA
Format/Size: Physical document with text, photos and map
Language: eng: English
Note: 2330 Washington St.
Item No.: 86001788 *NRIS (National Register Information System)*
Subject: ARCHITECTURE/ENGINEERING
Subject: PERSON
Subject: ARCHITECTURE
Subject: INDUSTRY

Subject:	GREEK REVIVAL
Subject:	BUILDING
Subject:	1850-1874
Subject:	1825-1849
Keywords:	Lyon,William;Curtis,William;1839
Place:	MASSACHUSETTS -- Middlesex County -- Newton

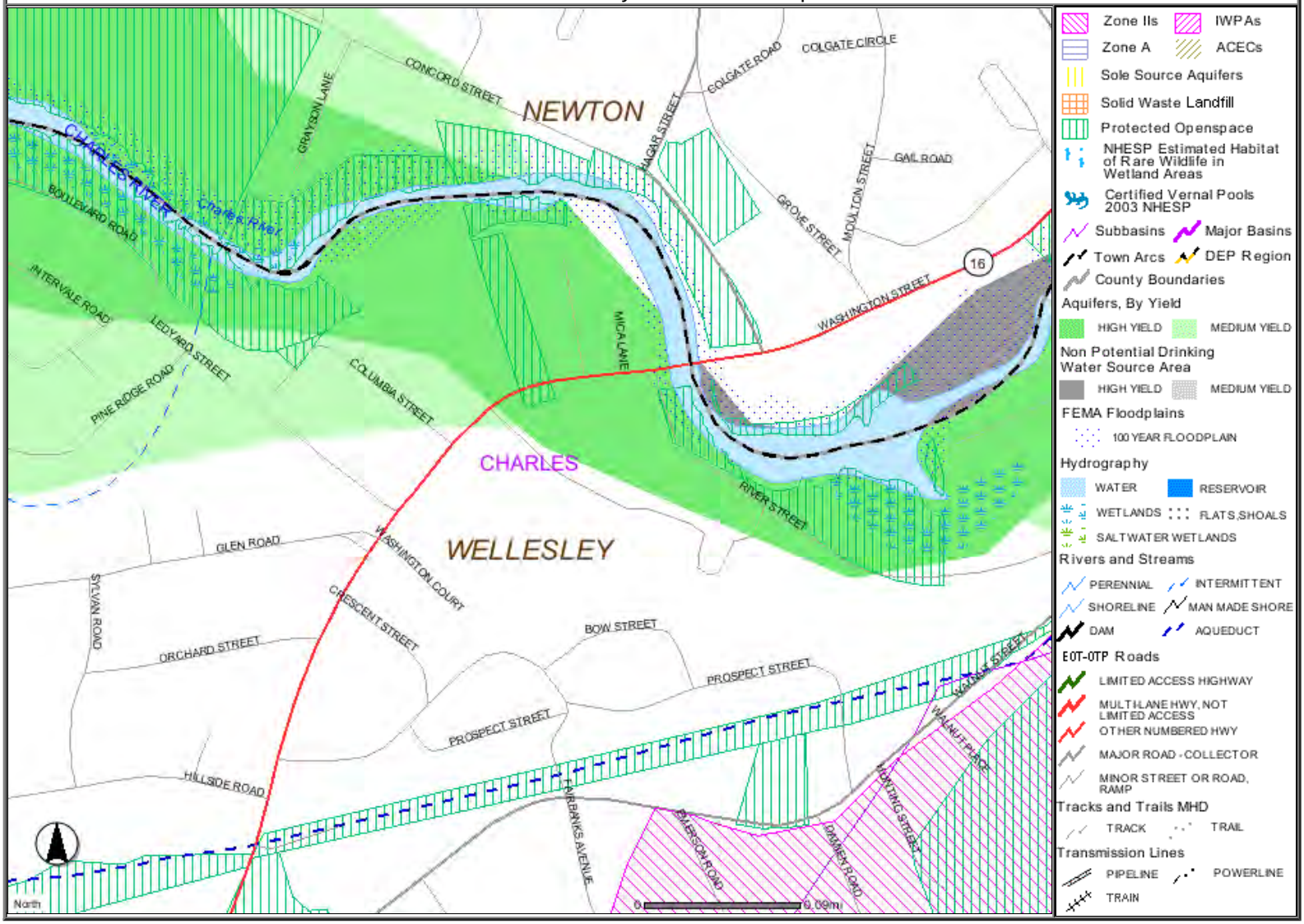
Record Number: 403732

Record Owner: National Register of Historic Places

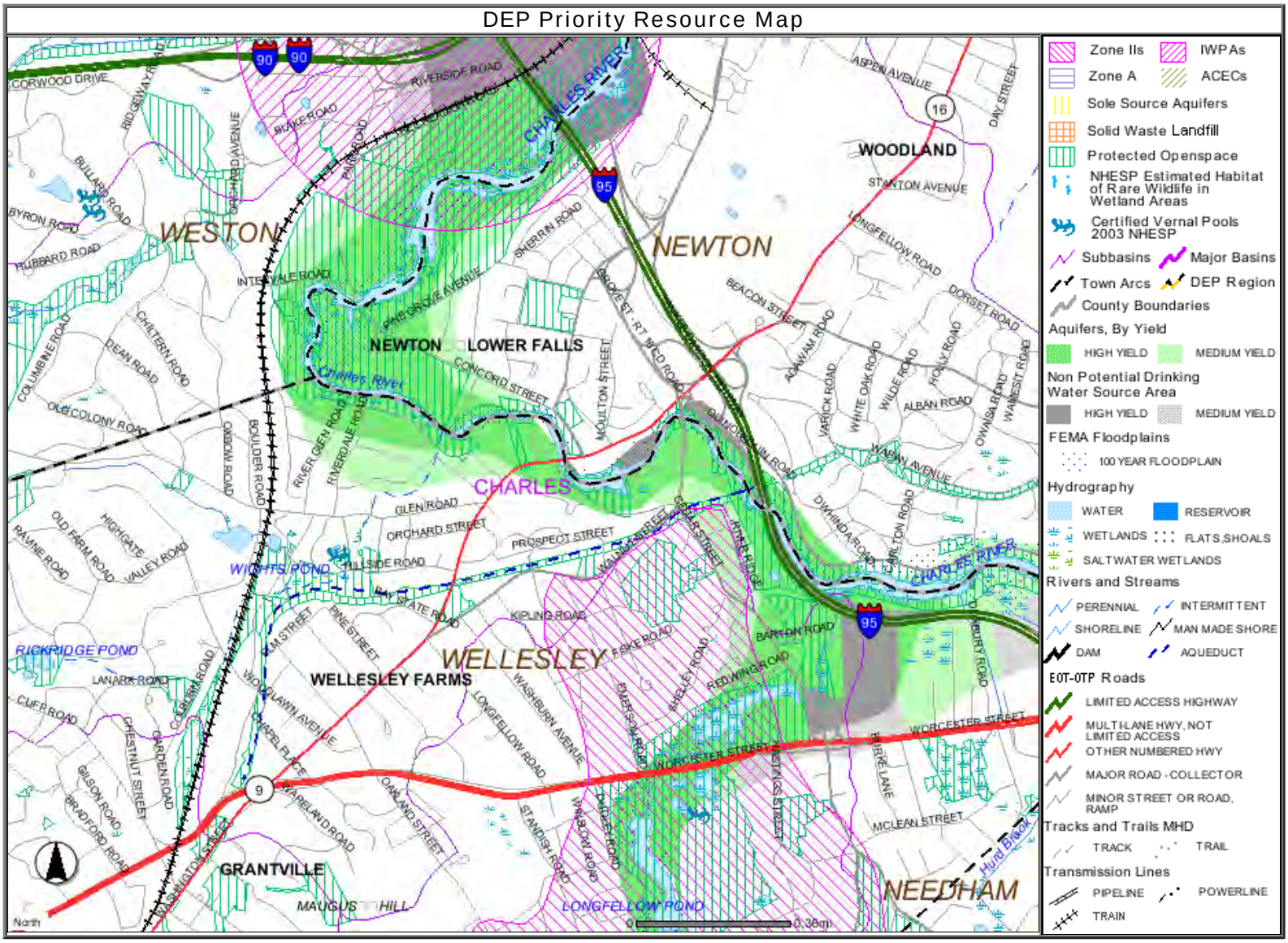
APPENDIX E

Endangered Species Act Documentation

DEP Priority Resource Map



DEP Priority Resource Map



MASSACHUSETTS AREAS OF CRITICAL ENVIRONMENTAL CONCERN
June 2009

Total Approximate Acreage: 268,000 acres
Approximate acreage and designation date follow ACEC names below.

Bourne Back River
(1,850 acres, 1989) Bourne

Canoe River Aquifer and Associated Areas (17,200 acres, 1991) Easton, Foxborough, Mansfield, Norton, Sharon, and Taunton

Cedar Swamp
(1,650 acres, 1975) Hopkinton and Westborough

Central Nashua River Valley
(12,900 acres, 1996) Bolton, Harvard, Lancaster, and Leominster

Cranberry Brook Watershed
(1,050 acres, 1983) Braintree and Holbrook

Ellisville Harbor
(600 acres, 1980) Plymouth

Fowl Meadow and Ponkapoag Bog
(8,350 acres, 1992) Boston, Canton, Dedham, Milton, Norwood, Randolph, Sharon, and Westwood

Golden Hills
(500 acres, 1987) Melrose, Saugus, and Wakefield

Great Marsh (originally designated as Parker River/Essex Bay)
(25,500 acres, 1979) Essex, Gloucester, Ipswich, Newbury, and Rowley

Herring River Watershed
(4,450 acres, 1991) Bourne and Plymouth

Hinsdale Flats Watershed
(14,500 acres, 1992) Dalton, Hinsdale, Peru, and Washington

Hockomock Swamp
(16,950 acres, 1990) Bridgewater, Easton, Norton, Raynham, Taunton, and West Bridgewater

Inner Cape Cod Bay
(2,600 acres, 1985) Brewster, Eastham, and Orleans

Kampoosa Bog Drainage Basin
(1,350 acres, 1995) Lee and Stockbridge

Karner Brook Watershed
(7,000 acres, 1992) Egremont and Mount Washington

Miscoe, Warren, and Whitehall Watersheds
(8,700 acres, 2000) Grafton, Hopkinton, and Upton

Neponset River Estuary
(1,300 acres, 1995) Boston, Milton, and Quincy

Petapawag
(25,680 acres, 2002) Ayer, Dunstable, Groton, Pepperell, and Tyngsborough

Pleasant Bay
(9,240 acres, 1987) Brewster, Chatham, Harwich, and Orleans

Pocasset River
(160 acres, 1980) Bourne

Rumney Marshes
(2,800 acres, 1988) Boston, Lynn, Revere, Saugus, and Winthrop

Sandy Neck Barrier Beach System
(9,130 acres, 1978) Barnstable and Sandwich

Schenob Brook Drainage Basin
(13,750 acres, 1990) Mount Washington and Sheffield

Squannassit
(37,420 acres, 2002) Ashby, Ayer, Groton, Harvard, Lancaster, Lunenburg, Pepperell, Shirley, and Townsend

Three Mile River Watershed
(14,280 acres, 2008) Dighton, Norton, Taunton

Upper Housatonic River
(12,280 acres, 2009) Lee, Lenox, Pittsfield, Washington

Waquoit Bay
(2,580 acres, 1979) Falmouth and Mashpee

Weir River
(950 acres, 1986) Cohasset, Hingham, and Hull

Wellfleet Harbor
(12,480 acres, 1989) Eastham, Truro, and Wellfleet

Weymouth Back River
(800 acres, 1982) Hingham and Weymouth

ACEC acreages above are based on MassGIS calculations and may differ from numbers originally presented in designation documents and other ACEC publications due to improvements in accuracy of GIS data and boundary clarifications. Listed acreages have been rounded to the nearest 50 or 10 depending on whether boundary clarification has occurred. For more information please see, http://www.mass.gov/dcr/stewardship/acec/aboutMaps.htm.

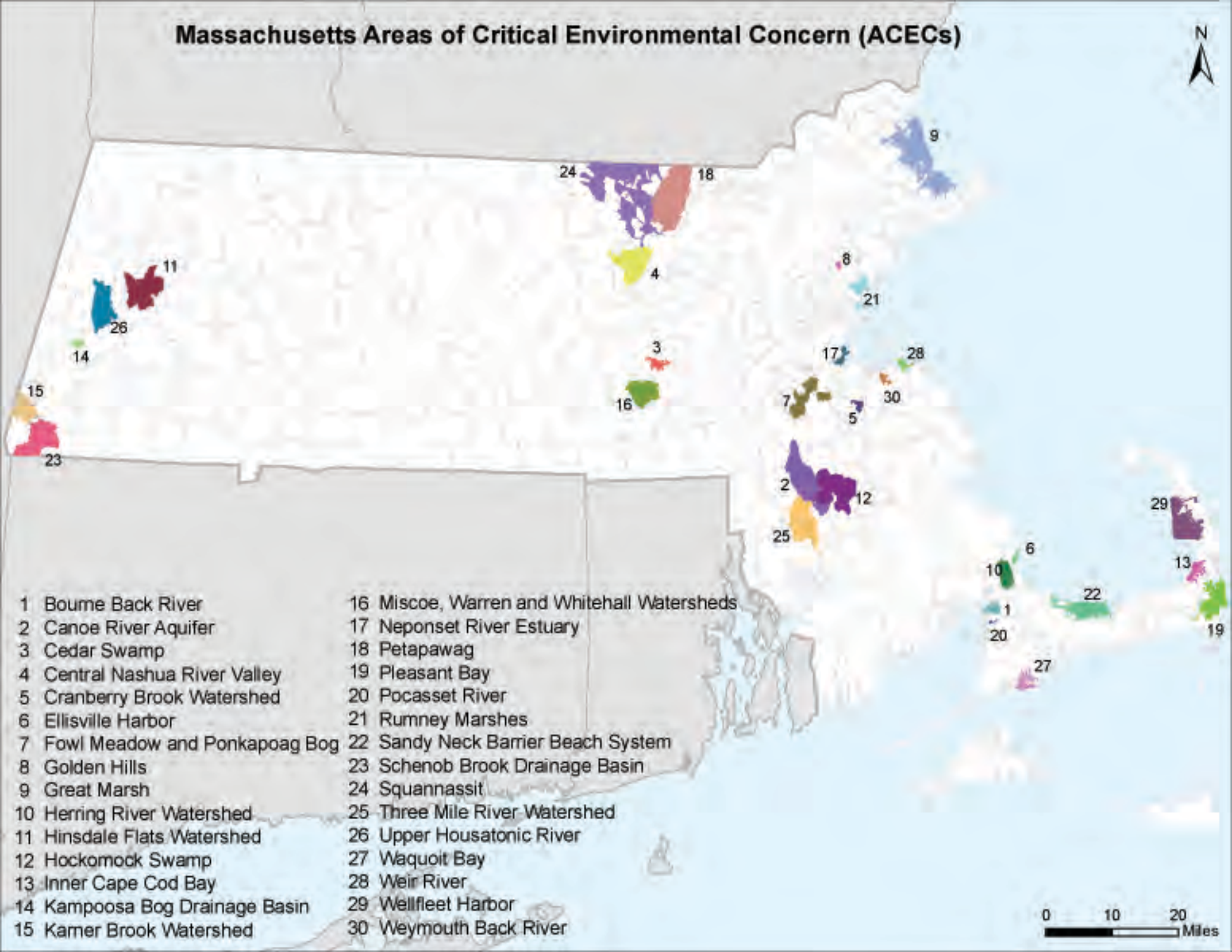
Towns with ACECs within their Boundaries June 2009

TOWN	ACEC
Ashby	Squannassit
Ayer	Petapawag
	Squannassit
Barnstable	Sandy Neck Barrier Beach System
Bolton	Central Nashua River Valley
Boston	Rumney Marshes
	Fowl Meadow and Ponkapoag Bog
	Neponset River Estuary
Bourne	Pocasset River
	Bourne Back River
	Herring River Watershed
Braintree	Cranberry Brook Watershed
Brewster	Pleasant Bay
	Inner Cape Cod Bay
Bridgewater	Hockomock Swamp
Canton	Fowl Meadow and Ponkapoag Bog
Chatham	Pleasant Bay
Cohasset	Weir River
Dalton	Hinsdale Flats Watershed
Dedham	Fowl Meadow and Ponkapoag Bog
Dighton	Three Mile River Watershed
Dunstable	Petapawag
Eastham	Inner Cape Cod Bay
	Wellfleet Harbor
Easton	Canoe River Aquifer
	Hockomock Swamp
Egremont	Karner Brook Watershed
Essex	Great Marsh
Falmouth	Waquoit Bay
Foxborough	Canoe River Aquifer
Gloucester	Great Marsh
Grafton	Miscoe-Warren-Whitehall Watersheds
Groton	Petapawag
	Squannassit
Harvard	Central Nashua River Valley
	Squannassit
Harwich	Pleasant Bay
Hingham	Weir River
	Weymouth Back River
Hinsdale	Hinsdale Flats Watershed
Holbrook	Cranberry Brook Watershed
Hopkinton	Miscoe-Warren-Whitehall Watersheds
	Cedar Swamp
Hull	Weir River
Ipswich	Great Marsh
Lancaster	Central Nashua River Valley
	Squannassit
Lee	Kampoosa Bog Drainage Basin
	Upper Housatonic River
Lenox	Upper Housatonic River
Leominster	Central Nashua River Valley
Lunenburg	Squannassit
Lynn	Rumney Marshes
Mansfield	Canoe River Aquifer
Mashpee	Waquoit Bay
Melrose	Golden Hills
Milton	Fowl Meadow and Ponkapoag Bog
	Neponset River Estuary

TOWN	ACEC
Mt. Washington	Karner Brook Watershed
	Schenob Brook
Newbury	Great Marsh
Norton	Hockomock Swamp
	Canoe River Aquifer
	Three Mile River Watershed
Norwood	Fowl Meadow and Ponkapoag Bog
Orleans	Inner Cape Cod Bay
	Pleasant Bay
Pepperell	Petapawag
	Squannassit
Peru	Hinsdale Flats Watershed
Pittsfield	Upper Housatonic River
Plymouth	Herring River Watershed
	Ellisville Harbor
Quincy	Neponset River Estuary
Randolph	Fowl Meadow and Ponkapoag Bog
Raynham	Hockomock Swamp
Revere	Rumney Marshes
Rowley	Great Marsh
Sandwich	Sandy Neck Barrier Beach System
Saugus	Rumney Marshes
	Golden Hills
Sharon	Canoe River Aquifer
	Fowl Meadow and Ponkapoag Bog
Sheffield	Schenob Brook
Shirley	Squannassit
Stockbridge	Kampoosa Bog Drainage Basin
Taunton	Hockomock Swamp
	Canoe River Aquifer
	Three Mile River Watershed
Truro	Wellfleet Harbor
Townsend	Squannassit
Tyngsborough	Petapawag
Upton	Miscoe-Warren-Whitehall Watersheds
Wakefield	Golden Hills
Washington	Hinsdale Flats Watershed
	Upper Housatonic River
Wellfleet	Wellfleet Harbor
W Bridgewater	Hockomock Swamp
Westborough	Cedar Swamp
Westwood	Fowl Meadow and Ponkapoag Bog
Weymouth	Weymouth Back River
Winthrop	Rumney Marshes

.

Massachusetts Areas of Critical Environmental Concern (ACECs)



1 Bourne Back River
2 Canoe River Aquifer
3 Cedar Swamp
4 Central Nashua River Valley
5 Cranberry Brook Watershed
6 Ellisville Harbor
7 Fowl Meadow and Ponkapoag Bog
8 Golden Hills
9 Great Marsh
10 Herring River Watershed
11 Hinsdale Flats Watershed
12 Hockomock Swamp
13 Inner Cape Cod Bay
14 Kampoosa Bog Drainage Basin
15 Karner Brook Watershed
16 Miscoe, Warren and Whitehall Watersheds
17 Neponset River Estuary
18 Petapawag
19 Pleasant Bay
20 Pocasset River
21 Rumney Marshes
22 Sandy Neck Barrier Beach System
23 Schenob Brook Drainage Basin
24 Squannassit
25 Three Mile River Watershed
26 Upper Housatonic River
27 Waquoit Bay
28 Weir River
29 Wellfleet Harbor
30 Weymouth Back River

APPENDIX F

Laboratory Data Reports

ANALYTICAL REPORT

Lab Number:	L1006779
Client:	Haley & Aldrich, Inc. 465 Medford Street, Suite 2200 Charlestown, MA 02129-1400
ATTN:	Rebecca Higgins
Phone:	(617) 886-7326
Project Name:	27 WASHINGTON ST.
Project Number:	34263-044
Report Date:	05/14/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), 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: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006779-01	HA-MW133	Not Specified	05/06/10 15:45

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1006779
Project Number:	34263-044	**Report Date:**	05/14/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Semivolatile Organics

The WG411956-2/-3 LCS/LCSD recoveries, associated with L1006779-01, were above the acceptance criteria for 2,4-Dinitrotoluene (108%/110%) and P-Chloro-M-Cresol (102%/99%); however, the associated sample was non-detect for these target compounds. The results of the original analysis are reported.

Semivolatile Organics by SIM

The WG411957-2/-3 LCS/LCSD recoveries, associated with L1006779-01, were above the acceptance criteria for Pentachlorophenol (107%/116%); however, the associated sample was non-detect for this target compound. The results of the original analysis are reported.

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1006779
Project Number:	34263-044	**Report Date:**	05/14/10

Case Narrative (continued)

PCBs

The WG412224-3 MS recoveries, associated with L1006779-01, are below the acceptance criteria for Aroclor 1016 (13%) and Aroclor 1260 (13%); however, the associated LCS recoveries are within criteria. No further action was required.

The surrogate recoveries for WG412224-3 MS were below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene (19%) and Decachlorobiphenyl (22%).

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: Lisa Westerlind

Title: Technical Director/Representative Date: 05/14/10

ORGANICS

VOLATILES

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006779

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006779-01	Date Collected:	05/06/10 15:45
Client ID:	HA-MW133	Date Received:	05/07/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	14,504.1	Extraction Date:	05/13/10 09:00
Analytical Date:	05/13/10 10:18		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Pesticides by GC - Westborough Lab						
1,2-Dibromoethane	ND		ug/l	0.010	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006779

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006779-01	Date Collected:	05/06/10 15:45
Client ID:	HA-MW133	Date Received:	05/07/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	5,624		
Analytical Date:	05/10/10 12:58		
Analyst:	TT		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	1.5	--	1
Chloroform	ND		ug/l	1.5	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	3.5	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.5	--	1
2-Chloroethylvinyl ether	ND		ug/l	10	--	1
Tetrachloroethene	12		ug/l	1.5	--	1
Chlorobenzene	ND		ug/l	3.5	--	1
Trichlorofluoromethane	ND		ug/l	5.0	--	1
1,2-Dichloroethane	ND		ug/l	1.5	--	1
1,1,1-Trichloroethane	ND		ug/l	2.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	--	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	--	1
Bromoform	ND		ug/l	1.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	10	--	1
Bromomethane	ND		ug/l	5.0	--	1
Vinyl chloride	ND		ug/l	2.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	--	1
cis-1,2-Dichloroethene	1.5		ug/l	1.0	--	1
Trichloroethene	4.8		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006779

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID: L1006779-01 Date Collected: 05/06/10 15:45

Client ID: HA-MW133 Date Received: 05/07/10

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-xylene	ND		ug/l	1.0	--	1
Xylene (Total)	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Acetone	ND		ug/l	10	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	10	--	1
Vinyl acetate	ND		ug/l	20	--	1
4-Methyl-2-pentanone	ND		ug/l	10	--	1
2-Hexanone	ND		ug/l	10	--	1
Acrolein	ND		ug/l	8.0	--	1
Acrylonitrile	ND		ug/l	10	--	1
Methyl tert butyl ether	ND		ug/l	20	--	1
Dibromomethane	ND		ug/l	1.0	--	1
1,4-Dioxane	ND		ug/l	2000	--	1
Tert-Butyl Alcohol	ND		ug/l	100	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	20	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	92		80-120
Fluorobenzene	113		80-120
4-Bromofluorobenzene	116		80-120

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006779

Project Number: 34263-044 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 05/10/10 07:40
Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG411734-6					
Methylene chloride	ND		ug/l	5.0	--
1,1-Dichloroethane	ND		ug/l	1.5	--
Chloroform	ND		ug/l	1.5	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	3.5	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.5	--
2-Chloroethylvinyl ether	ND		ug/l	10	--
Tetrachloroethene	ND		ug/l	1.5	--
Chlorobenzene	ND		ug/l	3.5	--
Trichlorofluoromethane	ND		ug/l	5.0	--
1,2-Dichloroethane	ND		ug/l	1.5	--
1,1,1-Trichloroethane	ND		ug/l	2.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	1.5	--
cis-1,3-Dichloropropene	ND		ug/l	1.5	--
Bromoform	ND		ug/l	1.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	1.0	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	10	--
Bromomethane	ND		ug/l	5.0	--
Vinyl chloride	ND		ug/l	2.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.5	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	5.0	--
1,3-Dichlorobenzene	ND		ug/l	5.0	--

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006779

Project Number: 34263-044 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 05/10/10 07:40
Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG411734-6					
1,4-Dichlorobenzene	ND		ug/l	5.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-xylene	ND		ug/l	1.0	--
Xylene (Total)	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Acetone	ND		ug/l	10	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	10	--
Vinyl acetate	ND		ug/l	20	--
4-Methyl-2-pentanone	ND		ug/l	10	--
2-Hexanone	ND		ug/l	10	--
Acrolein	ND		ug/l	8.0	--
Acrylonitrile	ND		ug/l	10	--
Methyl tert butyl ether	ND		ug/l	20	--
Dibromomethane	ND		ug/l	1.0	--
1,4-Dioxane	ND		ug/l	2000	--
Tert-Butyl Alcohol	ND		ug/l	100	--
Tertiary-Amyl Methyl Ether	ND		ug/l	20	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	92		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	113		80-120

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 14,504.1
Analytical Date: 05/13/10 09:42
Analyst: JB

Extraction Date: 05/13/10 09:00

Parameter	Result	Qualifier	Units	RL	MDL
Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG412809-1					
1,2-Dibromoethane	ND		ug/l	0.010	--
1,2-Dibromo-3-chloropropane	ND		ug/l	0.010	--

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006779

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG411734-5								
Methylene chloride	124		-		1-221	-		30
1,1-Dichloroethane	106		-		59-155	-		30
Chloroform	109		-		51-138	-		30
Carbon tetrachloride	100		-		70-140	-		30
1,2-Dichloropropane	106		-		1-210	-		30
Dibromochloromethane	103		-		53-149	-		30
1,1,2-Trichloroethane	112		-		52-150	-		30
2-Chloroethylvinyl ether	89		-		1-305	-		30
Tetrachloroethene	100		-		64-148	-		30
Chlorobenzene	136		-		37-160	-		30
Trichlorofluoromethane	94		-		17-181	-		30
1,2-Dichloroethane	89		-		49-155	-		30
1,1,1-Trichloroethane	101		-		52-162	-		30
Bromodichloromethane	110		-		35-155	-		30
trans-1,3-Dichloropropene	99		-		17-183	-		30
cis-1,3-Dichloropropene	105		-		1-227	-		30
Bromoform	119		-		45-169	-		30
1,1,2,2-Tetrachloroethane	143		-		46-157	-		30
Benzene	110		-		37-151	-		30
Toluene	108		-		47-150	-		30
Ethylbenzene	134		-		37-162	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006779

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG411734-5								
Chloromethane	98		-		1-273	-		30
Bromomethane	107		-		1-242	-		30
Vinyl chloride	123		-		1-251	-		30
Chloroethane	104		-		14-230	-		30
1,1-Dichloroethene	125		-		1-234	-		30
trans-1,2-Dichloroethene	122		-		54-156	-		30
cis-1,2-Dichloroethene	114		-		60-140	-		30
Trichloroethene	107		-		71-157	-		30
1,2-Dichlorobenzene	123		-		18-190	-		30
1,3-Dichlorobenzene	126		-		59-156	-		30
1,4-Dichlorobenzene	121		-		18-190	-		30
p/m-Xylene	129		-		40-160	-		30
o-Xylene	128		-		40-160	-		30
XYLENE (TOTAL)	129		-		40-160	-		30
Styrene	113		-		40-160	-		30
Acetone	67		-		40-160	-		30
Carbon disulfide	116		-		40-160	-		30
2-Butanone	71		-		40-160	-		30
Vinyl acetate	75		-		40-160	-		30
4-Methyl-2-pentanone	83		-		40-160	-		30
2-Hexanone	68		-		40-160	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006779

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG411734-5								
Acrolein	96		-		40-160	-		30
Acrylonitrile	73		-		40-160	-		30
Dibromomethane	92		-		70-130	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	91				80-120
Fluorobenzene	106				80-120
4-Bromofluorobenzene	118				80-120

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG412809-2								
1,2-Dibromoethane	110		-		70-130	-		20
1,2-Dibromo-3-chloropropane	107		-		70-130	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG411734-7 QC Sample: L1006650-01 Client ID: MS Sample												
Methylene chloride	ND	20	28	138		-	-		1-221	-		30
1,1-Dichloroethane	ND	20	25	124		-	-		59-155	-		30
Chloroform	ND	20	26	128		-	-		51-138	-		30
Carbon tetrachloride	ND	20	26	132		-	-		70-140	-		30
1,2-Dichloropropane	ND	20	24	122		-	-		1-210	-		30
Dibromochloromethane	ND	20	24	119		-	-		53-149	-		30
1,1,2-Trichloroethane	ND	20	25	125		-	-		52-150	-		30
2-Chloroethylvinyl ether	ND	20	20	99		-	-		1-305	-		30
Tetrachloroethene	ND	20	23	116		-	-		64-148	-		30
Chlorobenzene	ND	20	30	151		-	-		37-160	-		30
Trichlorofluoromethane	ND	20	23	115		-	-		17-181	-		30
1,2-Dichloroethane	ND	20	21	103		-	-		49-155	-		30
1,1,1-Trichloroethane	ND	20	25	126		-	-		52-162	-		30
Bromodichloromethane	ND	20	25	126		-	-		35-155	-		30
trans-1,3-Dichloropropene	ND	20	23	116		-	-		17-183	-		30
cis-1,3-Dichloropropene	ND	20	24	120		-	-		1-227	-		30
Bromoform	ND	20	28	138		-	-		45-169	-		30
1,1,2,2-Tetrachloroethane	ND	20	33	**163**	Q	-	-		46-157	-		30
Benzene	ND	20	27	133		-	-		35-151	-		30
Toluene	ND	20	25	123		-	-		47-150	-		30
Ethylbenzene	ND	20	30	149		-	-		37-162	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG411734-7 QC Sample: L1006650-01 Client ID: MS Sample												
Chloromethane	ND	20	21	103		-	-		1-273	-		30
Bromomethane	ND	20	20	101		-	-		1-242	-		30
Vinyl chloride	ND	20	32	159		-	-		1-251	-		30
Chloroethane	ND	20	24	118		-	-		14-230	-		30
1,1-Dichloroethene	ND	20	30	151		-	-		1-234	-		30
trans-1,2-Dichloroethene	ND	20	28	141		-	-		54-156	-		30
cis-1,2-Dichloroethene	ND	20	27	134		-	-		60-140	-		30
Trichloroethene	ND	20	26	128		-	-		71-157	-		30
1,2-Dichlorobenzene	ND	20	27	134		-	-		18-190	-		30
1,3-Dichlorobenzene	ND	20	27	136		-	-		59-156	-		30
1,4-Dichlorobenzene	ND	20	26	131		-	-		18-190	-		30
p/m-Xylene	ND	40	57	143		-	-		40-160	-		30
o-Xylene	ND	20	28	142		-	-		40-160	-		30
XYLENE (TOTAL)	ND	60	86	143		-	-		40-160	-		30
Styrene	ND	20	25	123		-	-		40-160	-		30
Acetone	ND	50	38	76		-	-		40-160	-		30
Carbon disulfide	ND	20	28	140		-	-		40-160	-		30
2-Butanone	ND	50	40	81		-	-		40-160	-		30
Vinyl acetate	ND	40	39	98		-	-		40-160	-		30
4-Methyl-2-pentanone	ND	50	45	90		-	-		40-160	-		30
2-Hexanone	ND	50	36	73		-	-		40-160	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG411734-7 QC Sample: L1006650-01 Client ID: MS Sample												
Acrolein	ND	40	30	74		-	-		40-160	-		30
Acrylonitrile	ND	40	38	94		-	-		40-160	-		30
Dibromomethane	ND	20	22	108		-	-			-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	115				80-120
Fluorobenzene	109				80-120
Pentafluorobenzene	93				80-120

Pesticides by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412809-3 QC Sample: L1006779-01 Client ID: HA-MW133												
1,2-Dibromoethane	ND	0.254	0.242	95		-	-		70-130	-		20
1,2-Dibromo-3-chloropropane	ND	0.254	0.204	80		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG411734-8 QC Sample: L1006650-02 Client ID: DUP Sample						
Methylene chloride	ND	ND	ug/l	NC		30
1,1-Dichloroethane	ND	ND	ug/l	NC		30
Chloroform	ND	ND	ug/l	NC		30
Carbon tetrachloride	ND	ND	ug/l	NC		30
1,2-Dichloropropane	ND	ND	ug/l	NC		30
Dibromochloromethane	ND	ND	ug/l	NC		30
1,1,2-Trichloroethane	ND	ND	ug/l	NC		30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC		30
Tetrachloroethene	ND	ND	ug/l	NC		30
Chlorobenzene	ND	ND	ug/l	NC		30
Trichlorofluoromethane	ND	ND	ug/l	NC		30
1,2-Dichloroethane	ND	ND	ug/l	NC		30
1,1,1-Trichloroethane	ND	ND	ug/l	NC		30
Bromodichloromethane	ND	ND	ug/l	NC		30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		30
Bromoform	ND	ND	ug/l	NC		30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		30
Chloromethane	ND	ND	ug/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG411734-8 QC Sample: L1006650-02 Client ID: DUP Sample					
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene	2.6	2.6	ug/l	0	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	92		92		80-120
Fluorobenzene	112		110		80-120
4-Bromofluorobenzene	117		114		80-120

SEMIVOLATILES

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006779

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006779-01	Date Collected:	05/06/10 15:45
Client ID:	HA-MW133	Date Received:	05/07/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	05/08/10 12:30
Analytical Date:	05/10/10 13:30		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006779

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID: L1006779-01 Date Collected: 05/06/10 15:45

Client ID: HA-MW133 Date Received: 05/07/10

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
n-Nitrosodimethylamine	ND		ug/l	50	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzoic Acid	ND		ug/l	50	--	1
Benzyl Alcohol	ND		ug/l	10	--	1
Carbazole	ND		ug/l	5.0	--	1
Pyridine	ND		ug/l	50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	103		33-120

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006779

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006779-01	Date Collected:	05/06/10 15:45
Client ID:	HA-MW133	Date Received:	05/07/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270C	Extraction Date:	05/08/10 12:32
Analytical Date:	05/10/10 13:36		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.20	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.20	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Chrysene	ND		ug/l	0.20	--	1
Acenaphthylene	ND		ug/l	0.20	--	1
Anthracene	ND		ug/l	0.20	--	1
Benzo(ghi)perylene	ND		ug/l	0.20	--	1
Fluorene	ND		ug/l	0.20	--	1
Phenanthrene	ND		ug/l	0.20	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pyrene	ND		ug/l	0.20	--	1
1-Methylnaphthalene	ND		ug/l	0.20	--	1
2-Methylnaphthalene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006779

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID: L1006779-01 Date Collected: 05/06/10 15:45

Client ID: HA-MW133 Date Received: 05/07/10

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	94		33-120

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044
Lab Number: L1006779
Report Date: 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/10/10 11:01
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/08/10 12:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG411956-1					
Benzidine	ND		ug/l	50	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--
1,2-Dichlorobenzene	ND		ug/l	5.0	--
1,3-Dichlorobenzene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	5.0	--
3,3'-Dichlorobenzidine	ND		ug/l	50	--
2,4-Dinitrotoluene	ND		ug/l	6.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	5.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	30	--
Isophorone	ND		ug/l	5.0	--
Nitrobenzene	ND		ug/l	5.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--
Dimethyl phthalate	ND		ug/l	5.0	--
Aniline	ND		ug/l	20	--
4-Chloroaniline	ND		ug/l	5.0	--
2-Nitroaniline	ND		ug/l	5.0	--
3-Nitroaniline	ND		ug/l	5.0	--
4-Nitroaniline	ND		ug/l	7.0	--
Dibenzofuran	ND		ug/l	5.0	--
n-Nitrosodimethylamine	ND		ug/l	50	--

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006779

Project Number: 34263-044 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/10/10 11:01
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/08/10 12:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG411956-1					
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	5.0	--
2-Chlorophenol	ND		ug/l	6.0	--
2,4-Dichlorophenol	ND		ug/l	10	--
2,4-Dimethylphenol	ND		ug/l	10	--
2-Nitrophenol	ND		ug/l	20	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	30	--
4,6-Dinitro-o-cresol	ND		ug/l	20	--
Phenol	ND		ug/l	7.0	--
2-Methylphenol	ND		ug/l	6.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzoic Acid	ND		ug/l	50	--
Benzyl Alcohol	ND		ug/l	10	--
Carbazole	ND		ug/l	5.0	--
Pyridine	ND		ug/l	50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	94		33-120

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/10/10 12:11
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 05/08/10 12:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG411957-1					
Acenaphthene	ND		ug/l	0.20	--
2-Chloronaphthalene	ND		ug/l	0.20	--
Fluoranthene	ND		ug/l	0.20	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	0.20	--
Benzo(a)anthracene	ND		ug/l	0.20	--
Benzo(a)pyrene	ND		ug/l	0.20	--
Benzo(b)fluoranthene	ND		ug/l	0.20	--
Benzo(k)fluoranthene	ND		ug/l	0.20	--
Chrysene	ND		ug/l	0.20	--
Acenaphthylene	ND		ug/l	0.20	--
Anthracene	ND		ug/l	0.20	--
Benzo(ghi)perylene	ND		ug/l	0.20	--
Fluorene	ND		ug/l	0.20	--
Phenanthrene	ND		ug/l	0.20	--
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--
Pyrene	ND		ug/l	0.20	--
1-Methylnaphthalene	ND		ug/l	0.20	--
2-Methylnaphthalene	ND		ug/l	0.20	--
Pentachlorophenol	ND		ug/l	0.80	--
Hexachlorobenzene	ND		ug/l	0.80	--
Hexachloroethane	ND		ug/l	0.80	--

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 05/10/10 12:11
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 05/08/10 12:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG411957-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	84		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006779

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG411956-2 WG411956-3								
1,2,4-Trichlorobenzene	69		70		39-98	1		30
1,2-Dichlorobenzene	73		66		40-140	10		30
1,4-Dichlorobenzene	68		64		36-97	6		30
2,4-Dinitrotoluene	**108**	Q	**110**	Q	24-96	2		30
2,6-Dinitrotoluene	96		94		40-140	2		30
4-Chlorophenyl phenyl ether	94		94		40-140	0		30
n-Nitrosodi-n-propylamine	84		72		41-116	15		30
Butyl benzyl phthalate	107		104		40-140	3		30
P-Chloro-M-Cresol	**102**	Q	**99**	Q	23-97	3		30
2-Chlorophenol	77		70		27-123	10		30
2-Nitrophenol	84		75		30-130	11		30
4-Nitrophenol	68		66		10-80	3		30
2,4-Dinitrophenol	73		65		20-130	12		30
Phenol	34		32		12-110	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG411956-2 WG411956-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		50		21-120
Phenol-d6	36		35		10-120
Nitrobenzene-d5	85		78		23-120
2-Fluorobiphenyl	83		84		15-120
2,4,6-Tribromophenol	107		109		10-120
4-Terphenyl-d14	117		117		33-120

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG411957-2 WG411957-3								
Acenaphthene	73		79		37-111	8		40
2-Chloronaphthalene	83		94		40-140	12		40
Fluoranthene	100		112		40-140	11		40
Anthracene	91		102		40-140	11		40
Pyrene	98		110		26-127	12		40
Pentachlorophenol	**107**	Q	**116**	Q	9-103	8		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006779

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG411957-2 WG411957-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		55		21-120
Phenol-d6	39		41		10-120
Nitrobenzene-d5	70		73		23-120
2-Fluorobiphenyl	71		75		15-120
2,4,6-Tribromophenol	94		97		10-120
4-Terphenyl-d14	99		103		33-120

PCBS

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006779

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006779-01	Date Collected:	05/06/10 15:45
Client ID:	HA-MW133	Date Received:	05/07/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	05/10/10 19:26
Analytical Date:	05/11/10 22:13	Cleanup Method1:	EPA 3665A
Analyst:	JB	Cleanup Date1:	05/11/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.250	--	1
Aroclor 1221	ND		ug/l	0.250	--	1
Aroclor 1232	ND		ug/l	0.250	--	1
Aroclor 1242	ND		ug/l	0.250	--	1
Aroclor 1248	ND		ug/l	0.250	--	1
Aroclor 1254	ND		ug/l	0.250	--	1
Aroclor 1260	ND		ug/l	0.250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	79		30-150	A

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044
Lab Number: L1006779
Report Date: 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,608
Analytical Date: 05/11/10 21:09
Analyst: JB

Extraction Method: EPA 608
Extraction Date: 05/10/10 19:26
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/11/10

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG412224-1					
Aroclor 1016	ND		ug/l	0.250	--
Aroclor 1221	ND		ug/l	0.250	--
Aroclor 1232	ND		ug/l	0.250	--
Aroclor 1242	ND		ug/l	0.250	--
Aroclor 1248	ND		ug/l	0.250	--
Aroclor 1254	ND		ug/l	0.250	--
Aroclor 1260	ND		ug/l	0.250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	63		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412224-3 QC Sample: L1006779-01 Client ID: HA-MW133												
Aroclor 1016	ND	2.08	ND	**13**	Q	-	-		40-126	-		30
Aroclor 1260	ND	2.08	ND	**13**	Q	-	-		40-127	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	*Column*
2,4,5,6-Tetrachloro-m-xylene	**19**	Q			30-150	A
Decachlorobiphenyl	**22**	Q			30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006779

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG412224-2								
Aroclor 1016	79		-		40-126	-		30
Aroclor 1260	69		-		40-127	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46				30-150	A
Decachlorobiphenyl	72				30-150	A

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412224-4 QC Sample: L1006779-01 Client ID: HA-MW133						
Aroclor 1016	ND	ND	ug/l	NC		30
Aroclor 1221	ND	ND	ug/l	NC		30
Aroclor 1232	ND	ND	ug/l	NC		30
Aroclor 1242	ND	ND	ug/l	NC		30
Aroclor 1248	ND	ND	ug/l	NC		30
Aroclor 1254	ND	ND	ug/l	NC		30
Aroclor 1260	ND	ND	ug/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		60		30-150	A
Decachlorobiphenyl	79		77		30-150	A

METALS

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006779

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID: L1006779-01 Date Collected: 05/06/10 15:45

Client ID: HA-MW133 Date Received: 05/07/10

Sample Location: Not Specified Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.0005	--	1	05/08/10 15:40	05/10/10 22:51	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	05/08/10 15:40	05/10/10 22:51	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	05/08/10 15:40	05/10/10 22:51	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	05/08/10 15:40	05/10/10 22:51	EPA 3005A	1,6020	BM
Copper, Total	0.0006		mg/l	0.0005	--	1	05/08/10 15:40	05/10/10 22:51	EPA 3005A	1,6020	BM
Iron, Total	0.06		mg/l	0.05	--	1	05/08/10 16:20	05/12/10 16:55	EPA 3005A	19,200.7	AI
Lead, Total	ND		mg/l	0.0005	--	1	05/08/10 15:40	05/10/10 22:51	EPA 3005A	1,6020	BM
Mercury, Total	ND		mg/l	0.0002	--	1	05/10/10 17:25	05/11/10 11:50	EPA 245.1	3,245.1	EZ
Nickel, Total	0.0019		mg/l	0.0005	--	1	05/08/10 15:40	05/10/10 22:51	EPA 3005A	1,6020	BM
Selenium, Total	ND		mg/l	0.001	--	1	05/08/10 15:40	05/10/10 22:51	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0004	--	1	05/08/10 15:40	05/10/10 22:51	EPA 3005A	1,6020	BM
Zinc, Total	0.0134		mg/l	0.0050	--	1	05/08/10 15:40	05/10/10 22:51	EPA 3005A	1,6020	BM

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006779

Project Number: 34263-044 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG411994-1										
Antimony, Total	ND		mg/l	0.0005	--	1	05/08/10 15:40	05/10/10 19:52	1,6020	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	05/08/10 15:40	05/10/10 19:52	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	05/08/10 15:40	05/10/10 19:52	1,6020	BM
Chromium, Total	ND		mg/l	0.0005	--	1	05/08/10 15:40	05/10/10 19:52	1,6020	BM
Copper, Total	ND		mg/l	0.0005	--	1	05/08/10 15:40	05/10/10 19:52	1,6020	BM
Lead, Total	ND		mg/l	0.0005	--	1	05/08/10 15:40	05/10/10 19:52	1,6020	BM
Nickel, Total	ND		mg/l	0.0005	--	1	05/08/10 15:40	05/10/10 19:52	1,6020	BM
Selenium, Total	ND		mg/l	0.001	--	1	05/08/10 15:40	05/10/10 19:52	1,6020	BM
Silver, Total	ND		mg/l	0.0004	--	1	05/08/10 15:40	05/10/10 19:52	1,6020	BM
Zinc, Total	ND		mg/l	0.0050	--	1	05/08/10 15:40	05/10/10 19:52	1,6020	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG412000-1										
Iron, Total	ND		mg/l	0.05	--	1	05/08/10 16:20	05/12/10 18:39	19,200.7	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG412201-1										
Mercury, Total	ND		mg/l	0.0002	--	1	05/10/10 17:25	05/11/10 11:27	3,245.1	EZ

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006779

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG411994-2								
Antimony, Total	97		-		80-120	-		
Arsenic, Total	105		-		80-120	-		
Cadmium, Total	111		-		80-120	-		
Chromium, Total	104		-		80-120	-		
Copper, Total	108		-		80-120	-		
Lead, Total	109		-		80-120	-		
Nickel, Total	107		-		80-120	-		
Selenium, Total	105		-		80-120	-		
Silver, Total	101		-		80-120	-		
Zinc, Total	110		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG412000-2								
Iron, Total	95		-		85-115	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG412201-2								
Mercury, Total	104		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG411994-4 QC Sample: L1006819-03 Client ID: MS Sample												
Antimony, Total	0.0046	0.5	0.4640	92		-	-		80-120	-		20
Arsenic, Total	0.0255	0.12	0.1541	107		-	-		80-120	-		20
Cadmium, Total	0.0003	0.051	0.0568	111		-	-		80-120	-		20
Chromium, Total	0.0136	0.2	0.2147	100		-	-		80-120	-		20
Copper, Total	0.1126	0.25	0.3875	110		-	-		80-120	-		20
Lead, Total	0.3085	0.51	0.8813	112		-	-		80-120	-		20
Nickel, Total	0.0151	0.5	0.5331	104		-	-		80-120	-		20
Selenium, Total	0.006	0.12	0.125	99		-	-		80-120	-		20
Silver, Total	0.0005	0.05	0.0496	98		-	-		80-120	-		20
Zinc, Total	0.1419	0.5	0.7063	113		-	-		80-120	-		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412000-4 QC Sample: L1006665-01 Client ID: MS Sample												
Iron, Total	ND	1	0.96	96		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412201-4 QC Sample: L1006779-01 Client ID: HA-MW133												
Mercury, Total	ND	0.001	0.0012	118		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG411994-3 QC Sample: L1006819-03 Client ID: DUP Sample						
Antimony, Total	0.0046	0.0047	mg/l	3		20
Arsenic, Total	0.0255	0.0255	mg/l	0		20
Lead, Total	0.3085	0.3190	mg/l	3		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412000-3 QC Sample: L1006665-01 Client ID: DUP Sample						
Iron, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412201-3 QC Sample: L1006779-01 Client ID: HA-MW133						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L1006779
Report Date: 05/14/10

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG411994-6 QC Sample: L1006819-03 Client ID: DUP Sample						
Arsenic, Total	0.0255	0.0267	mg/l	5		10
Lead, Total	0.3085	0.3250	mg/l	5		10

INORGANICS
&
MISCELLANEOUS

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044
Lab Number: L1006779
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1006779-01
Client ID: HA-MW133
Sample Location: Not Specified
Matrix: Water

Date Collected: 05/06/10 15:45
Date Received: 05/07/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	05/10/10 15:00	30,2540D	DW
Cyanide, Total	ND		mg/l	0.005	--	1	05/09/10 16:20	05/11/10 11:43	30,4500CN-CE	JO
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	05/07/10 20:45	30,4500CL-D	AT
pH (H)	5.9		SU	-	NA	1	-	05/07/10 19:00	30,4500H+-B	DD
TPH	ND		mg/l	4.00	--	1	05/10/10 12:20	05/13/10 11:30	74,1664A	JO
Phenolics, Total	ND		mg/l	0.03	--	1	-	05/13/10 18:08	4,420.1	TH
Chromium, Hexavalent	ND		mg/l	0.010	--	1	05/07/10 21:00	05/07/10 21:00	30,3500CR-D	AT

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006779

Project Number: 34263-044 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG411908-1										
Chromium, Hexavalent	ND		mg/l	0.010	--	1	05/07/10 21:00	05/07/10 21:00	30,3500CR-D	AT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG411910-1										
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	05/07/10 20:45	30,4500CL-D	AT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG412034-1										
Cyanide, Total	ND		mg/l	0.005	--	1	05/09/10 16:20	05/11/10 11:13	30,4500CN-CE	JO
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG412113-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	05/10/10 15:00	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG412124-2										
TPH	ND		mg/l	4.00	--	1	05/10/10 12:20	05/13/10 11:30	74,1664A	JO
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG412927-1										
Phenolics, Total	ND		mg/l	0.03	--	1	-	05/13/10 18:05	4,420.1	TH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006779

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG411886-1								
pH	101		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG411908-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG411910-2								
Chlorine, Total Residual	96		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG412034-2								
Cyanide, Total	91		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG412124-1								
TPH	75		-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG412927-2								
Phenolics, Total	99		-		82-111	-		12

Matrix Spike Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG411908-3 QC Sample: L1006779-01 Client ID: HA-MW133												
Chromium, Hexavalent	ND	0.1	0.104	104		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412034-4 QC Sample: L1006677-02 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.162	81		-	-		80-120	-		30
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412124-3 QC Sample: L1006418-26 Client ID: MS Sample												
TPH	ND	4	16.8	80		-	-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412927-3 QC Sample: L1006878-01 Client ID: MS Sample												
Phenolics, Total	ND	0.8	0.78	98		-	-		77-124	-		12

Lab Duplicate Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG411886-2 QC Sample: L1006763-03 Client ID: DUP Sample						
pH (H)	7.3	7.4	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG411908-4 QC Sample: L1006779-01 Client ID: HA-MW133						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG411910-3 QC Sample: L1006779-01 Client ID: HA-MW133						
Chlorine, Total Residual	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412034-3 QC Sample: L1006677-02 Client ID: DUP Sample						
Cyanide, Total	ND	ND	mg/l	NC		30
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412113-2 QC Sample: L1006755-01 Client ID: DUP Sample						
Solids, Total Suspended	260	260	mg/l	0		32
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412124-4 QC Sample: L1006779-01 Client ID: HA-MW133						
TPH	ND	ND	mg/l	NC		34
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG412927-4 QC Sample: L1006878-02 Client ID: DUP Sample						
Phenolics, Total	0.18	0.19	mg/l	5		12

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006779
Report Date: 05/14/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006779-01A	Vial Na2S2O3 preserved	A	N/A	3.2	Y	Absent	624(7)
L1006779-01B	Vial Na2S2O3 preserved	A	N/A	3.2	Y	Absent	624(7)
L1006779-01C	Vial Na2S2O3 preserved	A	N/A	3.2	Y	Absent	504(14)
L1006779-01D	Vial Na2S2O3 preserved	A	N/A	3.2	Y	Absent	504(14)
L1006779-01E	Vial Na2S2O3 preserved	A	N/A	3.2	Y	Absent	TCN-4500(14)
L1006779-01F	Plastic 250ml HNO3 preserved	A	<2	3.2	Y	Absent	SE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),FE-UI(180),PB-6020T(180),HG-U(28),AS-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180)
L1006779-01G	Plastic 1000ml unpreserved	A	7	3.2	Y	Absent	HEXCR-3500(1),TRC-4500(1),PH-4500(.01)
L1006779-01H	Plastic 1000ml unpreserved	A	7	3.2	Y	Absent	TSS-2540(7)
L1006779-01I	Amber 500ml H2SO4preserved	A	<2	3.2	Y	Absent	TPHENOL-420(28)
L1006779-01J	Amber 1000ml HCl preserved	A	<2	3.2	Y	Absent	TPH-1664(28)
L1006779-01K	Amber 1000ml HCl preserved	A	<2	3.2	Y	Absent	TPH-1664(28)
L1006779-01L	Amber 1000ml Na2S2O3	A	7	3.2	Y	Absent	PCB-608(7)
L1006779-01M	Amber 1000ml Na2S2O3	A	7	3.2	Y	Absent	PCB-608(7)
L1006779-01N	Amber 1000ml unpreserved	A	7	3.2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1006779-01O	Amber 1000ml unpreserved	A	7	3.2	Y	Absent	8270TCL(7),8270TCL-SIM(7)

*Values in parentheses indicate holding time in days

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1006779
Project Number:	34263-044	**Report Date:**	05/14/10

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.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

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.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL 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

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 at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to 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.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1006779
Project Number:	34263-044	**Report Date:**	05/14/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1006779
Project Number:	34263-044	**Report Date:**	05/14/10

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

4 Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

14 Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water. EPA/600/4-88/039, Revised July 1991.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

74 Method 1664,Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

LIMITATION OF LIABILITIES

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

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.

Certificate/Approval Program Summary

Last revised March 16, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

ALPHA Job # L1001079

CHAIN OF CUSTODY RECORD

HALEY & ALDRICH
Haley & Aldrich, Inc.
465 Medford St.,
Suite 2200,
Boston, MA 02129-1400
Phone (617) 886-7400
Fax (617) 886-7600

Page 01 of 01

05141016:55

H&A FILE NO.	34263-044	LABORATORY	Alpha	DELIVERY DATE	5-6-2010
PROJECT NAME	27 Washington St.	ADDRESS	Westboro MA	TURNAROUND TIME	STD
H&A CONTACT	L. Vanzlet	CONTACT	G. Hall	PROJECT MANAGER	R. Higgins.

Sample No.	Date	Time	Depth	Type	(1) VOA	(2) ABNs PAH only	(3) MCP Metals	(4) Pesticides PCBs	(5) VPH Full Suite C-ranges only EPH	(6) Full Suite C-ranges only EPH	(7) TPH (specify)	(8) TCLP (specify)	(9) Reactivity Ignitability Corrosivity	(10)	(11)		Number of Containers
~~MW-13~~ HA-MW33	5/6/10	1545	GW	Ag	X	X	X	X	X	X	X	X	X	X	X		15
									(15)								

Analysis Requested

Comments (special instructions, precautions, additional method numbers, etc.)

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

1. 8270 w PAH LOW
2. PCB's
3. TCN
4. TPH-1664
5. Total Phenols
6. TSS
7. TRC
8. 504/EDB
9. 624
10. DH, Hc, Cr, ~~Pb~~

(1) RCP Metals.

Sampled and Relinquished by	Received by
Sign	Sign
Print Christopher Jones	Print Freddie Farrar
Firm Haley & Aldrich	Firm Haley + Aldrich
Date 5/6/2010 Time 1722	Date 5/7/10 Time 11:00
Relinquished by	**Received by**
Sign	Sign
Print Freddie Farrar	Print Wayne Plumer
Firm Haley + Aldrich	Firm Alpha
Date 5/7/10 Time 11:00	Date 5/7/10 Time 1100
Relinquished by	**Received by**
Sign	Sign
Print Wayne Plumer	Print
Firm Alpha	Firm
Date 5/7/10 Time 1245	Date 5/7/10 Time 1245

LIQUID	(1) VOA	(2) ABNs PAH only	(3) MCP Metals	(4) Pesticides PCBs	(5) VPH Full Suite C-ranges only EPH	(6) Full Suite C-ranges only EPH	(7) TPH (specify)	(8) TCLP (specify)	(9) Reactivity Ignitability Corrosivity	(10)	(11)		
VOA Vial		X						X	X				
Amber Glass	X	X			X								
Plastic Bottle			X	X		X	X			X	X		
Preservative	A	AI	AC	AF	AE	A	A	AI	AI	A	AD		
Volume	1000	1000	150	1000	500	1000	1000	40	40	1000	250		

SOLID													
VOA Vial													
Amber Glass													
Clear Glass													
Preservative													
Volume													

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol I#175203	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

- X The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
- ___ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
- X This Chain of Custody Record (specify) ___ includes X does not include samples defined as Drinking Water Samples.
- ___ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are required, as appropriate. Laboratory should (specify if applicable) ___ analyz

Required Reporting Limits and Data Quality Objectives

- ☐ RC-S1
- ☐ RC-S2
- ☐ RC-GW1
- ☐ RC-GW2
- ☐ S1
- ☐ S2
- ☐ S3
- ☒ GW1
- ☐ GW2
- ☐ GW3

WHITE - Laboratory CANARY - Project Manager PINK - Haley & Aldrich Laboratory

AUGUST 2008

Form 3003

ANALYTICAL REPORT

Lab Number:	L1006795
Client:	Haley & Aldrich, Inc. 465 Medford Street, Suite 2200 Charlestown, MA 02129-1400
ATTN:	Rebecca Higgins
Phone:	(617) 886-7326
Project Name:	27 WASHINGTON ST.
Project Number:	34263-044
Report Date:	05/14/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), 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: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006795
Report Date: 05/14/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006795-01	HA-MW104	Not Specified	05/06/10 11:00
L1006795-02	HA-MW110	Not Specified	05/06/10 13:10
L1006795-03	HA-MW133	Not Specified	05/06/10 15:45

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is 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
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
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
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
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	YES
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
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

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

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

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795
Project Number: 34263-044 **Report Date:** 05/14/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Sample Receipt

The samples were not appropriately preserved for the EPH analysis, and the analysis was cancelled at the client's request.

Volatile Organics

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The WG412818-1/-2 LCS/LCSD recoveries, associated with L1006795-01 and -02 are below the acceptance criteria for Bromomethane (38%/36%); however, it has been identified as a "difficult" analyte. The results of the

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1006795
Project Number:	34263-044	**Report Date:**	05/14/10

Case Narrative (continued)

associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

The initial calibration, associated with L1006795-01 and -02 did not meet the method required minimum response factor for Tetrahydrofuran, 1,4-Dioxane and 4-Methyl-2-pentanone.

The continuing calibration standard, associated with L1006795-01 and -02, is outside the acceptance criteria for two compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

VPH

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

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: Lisa Westerlind

Title: Technical Director/Representative Date: 05/14/10

ORGANICS

VOLATILES

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006795-01	Date Collected:	05/06/10 11:00
Client ID:	HA-MW104	Date Received:	05/07/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/13/10 19:06		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	3.0		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	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	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	5.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	11		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID: L1006795-01 Date Collected: 05/06/10 11:00

Client ID: HA-MW104 Date Received: 05/07/10

Sample Location: Not Specified Field Prep: Not Specified

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

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID: L1006795-01 Date Collected: 05/06/10 11:00

Client ID: HA-MW104 Date Received: 05/07/10

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	126		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	111		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006795-02	Date Collected:	05/06/10 13:10
Client ID:	HA-MW110	Date Received:	05/07/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/13/10 19:40		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	39		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	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	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	5.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	5.2		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID: L1006795-02 Date Collected: 05/06/10 13:10

Client ID: HA-MW110 Date Received: 05/07/10

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	1.4		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	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	2.0	--	1
Tetrahydrofuran	ND		ug/l	10	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.0	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID: L1006795-02 Date Collected: 05/06/10 13:10

Client ID: HA-MW110 Date Received: 05/07/10

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	123		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	111		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/13/10 12:10
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG412818-3					
Methylene chloride	ND		ug/l	5.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	1.0	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	5.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/13/10 12:10
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG412818-3					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
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	2.0	--
Tetrahydrofuran	ND		ug/l	10	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	5.0	--
n-Propylbenzene	ND		ug/l	2.0	--

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/13/10 12:10
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG412818-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
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	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006795

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG412818-1 WG412818-2								
Methylene chloride	93		89		70-130	4		20
1,1-Dichloroethane	104		98		70-130	6		20
Chloroform	101		98		70-130	3		20
Carbon tetrachloride	106		99		70-130	7		20
1,2-Dichloropropane	99		96		70-130	3		20
Dibromochloromethane	102		101		70-130	1		20
1,1,2-Trichloroethane	104		105		70-130	1		20
Tetrachloroethene	104		95		70-130	9		20
Chlorobenzene	99		93		70-130	6		20
Trichlorofluoromethane	114		112		70-130	2		20
1,2-Dichloroethane	108		106		70-130	2		20
1,1,1-Trichloroethane	102		100		70-130	2		20
Bromodichloromethane	105		105		70-130	0		20
trans-1,3-Dichloropropene	108		107		70-130	1		20
cis-1,3-Dichloropropene	86		90		70-130	5		20
1,1-Dichloropropene	100		96		70-130	4		20
Bromoform	84		88		70-130	5		20
1,1,2,2-Tetrachloroethane	89		90		70-130	1		20
Benzene	101		96		70-130	5		20
Toluene	100		94		70-130	6		20
Ethylbenzene	108		101		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006795

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG412818-1 WG412818-2								
Chloromethane	87		92		70-130	6		20
Bromomethane	**38**	Q	**36**	Q	70-130	5		20
Vinyl chloride	99		100		70-130	1		20
Chloroethane	94		91		70-130	3		20
1,1-Dichloroethene	97		95		70-130	2		20
trans-1,2-Dichloroethene	100		91		70-130	9		20
Trichloroethene	98		94		70-130	4		20
1,2-Dichlorobenzene	99		95		70-130	4		20
1,3-Dichlorobenzene	100		95		70-130	5		20
1,4-Dichlorobenzene	100		96		70-130	4		20
Methyl tert butyl ether	102		109		70-130	7		20
p/m-Xylene	105		98		70-130	7		20
o-Xylene	109		101		70-130	8		20
cis-1,2-Dichloroethene	101		96		70-130	5		20
Dibromomethane	105		106		70-130	1		20
1,2,3-Trichloropropane	102		107		70-130	5		20
Styrene	106		98		70-130	8		20
Dichlorodifluoromethane	119		119		70-130	0		20
Acetone	112		107		70-130	5		20
Carbon disulfide	95		90		70-130	5		20
2-Butanone	102		109		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006795

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG412818-1 WG412818-2								
4-Methyl-2-pentanone	104		111		70-130	7		20
2-Hexanone	114		114		70-130	0		20
Bromochloromethane	100		97		70-130	3		20
Tetrahydrofuran	95		106		70-130	11		20
2,2-Dichloropropane	104		100		70-130	4		20
1,2-Dibromoethane	98		100		70-130	2		20
1,3-Dichloropropane	105		106		70-130	1		20
1,1,1,2-Tetrachloroethane	112		110		70-130	2		20
Bromobenzene	94		91		70-130	3		20
n-Butylbenzene	108		98		70-130	10		20
sec-Butylbenzene	104		96		70-130	8		20
tert-Butylbenzene	103		98		70-130	5		20
o-Chlorotoluene	95		91		70-130	4		20
p-Chlorotoluene	96		91		70-130	5		20
1,2-Dibromo-3-chloropropane	96		107		70-130	11		20
Hexachlorobutadiene	100		95		70-130	5		20
Isopropylbenzene	108		101		70-130	7		20
p-Isopropyltoluene	108		99		70-130	9		20
Naphthalene	91		101		70-130	10		20
n-Propylbenzene	96		91		70-130	5		20
1,2,3-Trichlorobenzene	101		104		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006795

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG412818-1 WG412818-2								
1,2,4-Trichlorobenzene	99		101		70-130	2		20
1,3,5-Trimethylbenzene	96		90		70-130	6		20
1,2,4-Trimethylbenzene	105		100		70-130	5		20
Ethyl ether	99		109		70-130	10		20
Isopropyl Ether	99		98		70-130	1		20
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		20
Tertiary-Amyl Methyl Ether	101		103		70-130	2		20
1,4-Dioxane	92		97		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		112		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	90		92		70-130
Dibromofluoromethane	101		106		70-130

PETROLEUM HYDROCARBONS

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006795-01	Date Collected:	05/06/10 11:00
Client ID:	HA-MW104	Date Received:	05/07/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	05/11/10 23:20		
Analyst:	GK		

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	50.0	--	1
C9-C12 Aliphatics	ND		ug/l	50.0	--	1
C9-C10 Aromatics	ND		ug/l	50.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	103		70-130
2,5-Dibromotoluene-FID	95		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006795-02	Date Collected:	05/06/10 13:10
Client ID:	HA-MW110	Date Received:	05/07/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	05/12/10 13:19		
Analyst:	GK		

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	50.0	--	1
C9-C12 Aliphatics	ND		ug/l	50.0	--	1
C9-C10 Aromatics	ND		ug/l	50.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	100		70-130
2,5-Dibromotoluene-FID	92		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006795-03	Date Collected:	05/06/10 15:45
Client ID:	HA-MW133	Date Received:	05/07/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	05/12/10 14:10		
Analyst:	GK		

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	50.0	--	1
C9-C12 Aliphatics	ND		ug/l	50.0	--	1
C9-C10 Aromatics	ND		ug/l	50.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	101		70-130
2,5-Dibromotoluene-FID	92		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 100,VPH-04-1.1
Analytical Date: 05/11/10 11:42
Analyst: GK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01 Batch: WG412297-3					
C5-C8 Aliphatics	ND		ug/l	50.0	--
C9-C12 Aliphatics	ND		ug/l	50.0	--
C9-C10 Aromatics	ND		ug/l	50.0	--
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	97		70-130
2,5-Dibromotoluene-FID	90		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 100,VPH-04-1.1
Analytical Date: 05/12/10 12:14
Analyst: GK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 02-03 Batch: WG412500-3					
C5-C8 Aliphatics	ND		ug/l	50.0	--
C9-C12 Aliphatics	ND		ug/l	50.0	--
C9-C10 Aromatics	ND		ug/l	50.0	--
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	87		70-130
2,5-Dibromotoluene-FID	80		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006795

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG412297-1 WG412297-2								
C5-C8 Aliphatics	99		104		70-130	5		25
C9-C12 Aliphatics	99		100		70-130	1		25
C9-C10 Aromatics	100		107		70-130	7		25
Benzene	104		111		70-130	7		25
Toluene	104		111		70-130	7		25
Ethylbenzene	103		110		70-130	7		25
p/m-Xylene	101		109		70-130	8		25
o-Xylene	100		108		70-130	8		25
Methyl tert butyl ether	99		106		70-130	7		25
Naphthalene	91		93		70-130	2		25
1,2,4-Trimethylbenzene	99		104		70-130	5		25
Pentane	104		110		70-130	6		25
2-Methylpentane	98		104		70-130	6		25
2,2,4-Trimethylpentane	95		101		70-130	6		25
n-Nonane	94		99		30-130	5		25
n-Decane	102		99		70-130	3		25
n-Butylcyclohexane	95		99		70-130	4		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006795

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG412297-1 WG412297-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	100		104		70-130
2,5-Dibromotoluene-FID	92		97		70-130

Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 02-03 Batch: WG412500-1 WG412500-2								
C5-C8 Aliphatics	108		108		70-130	0		25
C9-C12 Aliphatics	110		106		70-130	4		25
C9-C10 Aromatics	112		113		70-130	1		25
Benzene	115		117		70-130	2		25
Toluene	116		117		70-130	1		25
Ethylbenzene	115		116		70-130	1		25
p/m-Xylene	113		115		70-130	2		25
o-Xylene	112		114		70-130	2		25
Methyl tert butyl ether	105		114		70-130	8		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006795

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 02-03 Batch: WG412500-1 WG412500-2								
Naphthalene	98		105		70-130	7		25
1,2,4-Trimethylbenzene	110		111		70-130	1		25
Pentane	112		112		70-130	0		25
2-Methylpentane	107		108		70-130	1		25
2,2,4-Trimethylpentane	106		106		70-130	0		25
n-Nonane	105		105		30-130	0		25
n-Decane	113		104		70-130	8		25
n-Butylcyclohexane	106		106		70-130	0		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	113		113		70-130
2,5-Dibromotoluene-FID	104		104		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

Fractionation Check Standard
Quality Control

Fractionation check standard for 201004218

Parameter	% Recovery	QC Criteria
C9-C18 Aliphatics	79	40-140
C19-C36 Aliphatics	90	40-140
C11-C22 Aromatics	85	40-140
Naphthalene	80	40-140
2-Methylnaphthalene	80	40-140
Acenaphthylene	75	40-140
Acenaphthene	81	40-140
Fluorene	78	40-140
Phenanthrene	82	40-140
Anthracene	80	40-140
Fluoranthene	80	40-140
Pyrene	81	40-140
Benzo(a)anthracene	74	40-140
Chrysene	76	40-140
Benzo(b)fluoranthene	72	40-140
Benzo(k)fluoranthene	79	40-140
Benzo(a)pyrene	66	40-140
Indeno(1,2,3-cd)Pyrene	75	40-140
Dibenzo(a,h)anthracene	72	40-140
Benzo(g,h,i)perylene	76	40-140
Nonane	42	30-140
Decane	75	40-140
Dodecane	79	40-140
Tetradecane	83	40-140
Hexadecane	87	40-140
Octadecane	90	40-140
Nonadecane	90	40-140
Eicosane	90	40-140
Docosane	91	40-140
Tetracosane	91	40-140
Hexacosane	90	40-140
Octacosane	90	40-140
Triacontane	90	40-140
Hexatriacontane	88	40-140
% Naphthalene Breakthrough	0	0-5
% 2-Methylnaphthalene Breakthrough	0	0-5

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795

Project Number: 34263-044 **Report Date:** 05/14/10

Fractionation Check Standard
Quality Control

Fractionation check standard for 201004218

Surrogate	% Recovery	QC Criteria
Chloro-Octadecane	79	40-140
o-Terphenyl	75	40-140
2-Fluorobiphenyl	76	40-140
2-Bromonaphthalene	80	40-140

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006795
Project Number: 34263-044 **Report Date:** 05/14/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006795-01A	Vial HCl preserved	A	N/A	3.2	Y	Absent	MCP-8260-10(14)
L1006795-01B	Vial HCl preserved	A	N/A	3.2	Y	Absent	MCP-8260-10(14)
L1006795-01C	Vial HCl preserved	A	N/A	3.2	Y	Absent	VPH-10(14)
L1006795-01D	Vial HCl preserved	A	N/A	3.2	Y	Absent	VPH-10(14)
L1006795-01E	Amber 1000ml HCl preserved	A	<2	3.2	Y	Absent	MCP-8260-10(14)
L1006795-01F	Amber 1000ml HCl preserved	A	<2	3.2	Y	Absent	MCP-8260-10(14)
L1006795-02A	Vial HCl preserved	A	N/A	3.2	Y	Absent	MCP-8260-10(14)
L1006795-02B	Vial HCl preserved	A	N/A	3.2	Y	Absent	MCP-8260-10(14)
L1006795-02C	Vial HCl preserved	A	N/A	3.2	Y	Absent	VPH-10(14)
L1006795-02D	Vial HCl preserved	A	N/A	3.2	Y	Absent	VPH-10(14)
L1006795-02E	Amber 1000ml HCl preserved	A	<2	3.2	Y	Absent	MCP-8260-10(14)
L1006795-02F	Amber 1000ml HCl preserved	A	<2	3.2	Y	Absent	MCP-8260-10(14)
L1006795-03C	Vial HCl preserved	A	N/A	3.2	Y	Absent	VPH-10(14)
L1006795-03D	Vial HCl preserved	A	N/A	3.2	Y	Absent	VPH-10(14)
L1006795-03E	Amber 1000ml HCl preserved	A	<2	3.2	Y	Absent	VPH-10(14)
L1006795-03F	Amber 1000ml HCl preserved	A	<2	3.2	Y	Absent	VPH-10(14)

*Values in parentheses indicate holding time in days

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1006795
Project Number:	34263-044	**Report Date:**	05/14/10

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.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

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.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL 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

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 at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to 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.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1006795
Project Number:	34263-044	**Report Date:**	05/14/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1006795
Project Number:	34263-044	**Report Date:**	05/14/10

REFERENCES

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

100 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, May 2004, Revision 1.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, July 2010.

LIMITATION OF LIABILITIES

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

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.

Certificate/Approval Program Summary

Last revised March 16, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

ALPHA Job # L1006795

05141012:50

CHAIN OF CUSTODY RECORD

HALEY & ALDRICH
Haley & Aldrich, Inc.
465 Medford St.,
Suite 2200,
Boston, MA 02129-1400
Phone (617) 886-7400
Fax (617) 886-7600

H&A FILE NO.	34763-044	LABORATORY	AlphA
PROJECT NAME	27 Washington St.	ADDRESS	Westboro, MA
H&A CONTACT	Livandes	CONTACT	G. Hall
DELIVERY DATE	5/6/2010		
TURNAROUND TIME	3+D		
PROJECT MANAGER	R. Higgins		

Sample No.	Date	Time	Depth	Type	(1) VOA	(2) ABNs PAH only	(3) MCP Metals	(4) Pesticides PCBs	VPH Full Suite C-ranges only	EPH Full Suite C-ranges only	TPH (specify)	TCLP (specify)	Reactivity Ignitability Corrosivity				Number of Containers
HA-MW104	5/6/10	1100	Aq	Aq	X	X	X										6
HA-MW110	5/6/10	1310	Aq	Aq	X	X		X									6
HA-MW133	5/6/10	1545	Aq	Aq	X	X	X										4

Analysis Requested

Comments (special instructions, precautions, additional method numbers, etc.)

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

(1) VOC's by 8260
(2) VPH C-Ranges only
(3) EPH
(4) EPH w/Target Analytes.

Sampled and Relinquished by	Received by
Sign	Sign Freddie Farrar
Print Christopher K Jones	Print Freddie Farrar
Firm Haley & Aldrich	Firm Haley & Aldrich
Date 5-6-2010 Time 1727	Date 5/7/10 Time 11:00
Relinquished by	**Received by**
Sign Freddie Farrar	Sign Wayne Plummer
Print Freddie Farrar	Print Wayne Plummer
Firm Haley & Aldrich	Firm Alpha
Date 5/7/10 Time 11:00	Date 5/7/10 Time 1100
Relinquished by	**Received by**
Sign	Sign Kim Barth
Print Wayne Plummer	Print
Firm Alpha	Firm
Date 5/7/10 Time 1245	Date 5/7/10 Time 1245

LIQUID													
VOA Vial	X	X											
Amber Glass	X	X	X										
Plastic Bottle													
Preservative	A	F	A	F	A								
Volume	40mL	40mL	1000										

SOLID													
VOA Vial													
Amber Glass													
Clear Glass													
Preservative													
Volume													

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Sampling Comments

* Please Call Lee Vandes with Questions

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

X The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

X This Chain of Custody Record (specify) _____ includes X does not include samples defined as Drinking Water Samples.

If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are required, as appropriate. Laboratory should (specify if applicable) _____ analyz

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☒ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE - Laboratory CANARY - Project Manager PINK - Haley & Aldrich Laboratory

AUGUST 2008

Form 3003

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1006795

Instrument ID: Gonzo.i Calibration Date: 13-MAY-2010 Time: 11:01

Lab File ID: 0513A01.D Init. Calib. Date(s): 08-APR-2 08-APR-2

Sample No: 8260 CCAL Init. Calib. Times : 10:22 13:41

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.41205	.49196	.01	-19	20	
chloromethane	.18261	.15898	.1	13	20	
vinyl chloride	.43315	.42744	.01	1	20	
bromomethane	.18223	.06999	.01	62	20	F
chloroethane	.16794	.15876	.01	5	20	
trichlorofluoromethane	.80801	.92516	.01	-14	20	
ethyl ether	.11901	.11808	.01	1	20	
Freon 113	.30935	.38516	.01	-25	20	F
acetone	.05867	.06562	.01	-12	20	
1,1,-dichloroethene	.22263	.21672	.01	3	20	
methylene chloride	.26177	.24235	.01	7	20	
carbon disulfide	.6493	.61899	.01	5	20	
methyl tert butyl ether	.64093	.65386	.01	-2	20	
trans-1,2-dichloroethene	.24477	.24352	.01	1	20	
Diisopropyl Ether	.61885	.61279	.01	1	20	
1,1-dichloroethane	.53085	.55108	.1	-4	20	
Ethyl-Tert-Butyl-Ether	.66245	.6547	.01	1	20	
2-butanone	.05476	.05579	.01	-2	20	
2,2-dichloropropane	.51151	.5298	.01	-4	20	
cis-1,2-dichloroethene	.2709	.27385	.01	-1	20	
chloroform	.68382	.69377	.01	-1	20	
bromochloromethane	.12441	.12416	.01	0	20	
tetrahydrofuran	.02888	.02741	.01	5	20	
1,1,1-trichloroethane	.63163	.64528	.01	-2	20	
1,1-dichloropropene	.44372	.44171	.01	0	20	
carbontetrachloride	.5636	.59516	.01	-6	20	
Tertiary-Amyl Methyl Ether	.60049	.60585	.01	-1	20	
1,2-dichloroethane	.56305	.60822	.01	-8	20	
benzene	1.0454	1.0557	.01	-1	20	
trichloroethene	.32362	.31596	.01	2	20	
1,2-dichloropropane	.24245	.24019	.01	1	20	
bromodichloromethane	.47438	.49729	.01	-5	20	
1,4-dioxane	.00163	.0015	.001	8	20	
dibromomethane	.17646	.1852	.01	-5	20	
4-methyl-2-pentanone	.04666	.04874	.001	-4	20	
cis-1,3-dichloropropene	.41021	.3543	.01	14	20	
toluene	.90869	.91029	.01	0	20	
trans-1,3-dichloropropene	.56831	.61589	.01	-8	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1006795

Instrument ID: Gonzo.i Calibration Date: 13-MAY-2010 Time: 11:01

Lab File ID: 0513A01.D Init. Calib. Date(s): 08-APR-2 08-APR-2

Sample No: 8260 CCAL Init. Calib. Times : 10:22 13:41

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.24041	.25055	.01	-4	20
2-hexanone	.11954	.13589	.01	-14	20
1,3-dichloropropane	.50722	.53106	.01	-5	20
tetrachloroethene	.42053	.4369	.01	-4	20
chlorodibromomethane	.3907	.39729	.01	-2	20
1,2-dibromoethane	.29635	.29026	.01	2	20
chlorobenzene	1.0524	1.0401	.3	1	20
1,1,1,2-tetrachloroethane	.40949	.45684	.01	-12	20
ethyl benzene	1.8778	2.0283	.01	-8	20
p/m xylene	.68406	.71804	.01	-5	20
o xylene	.64553	.7017	.01	-9	20
styrene	1.1263	1.1913	.01	-6	20
isopropylbenzene	1.6888	1.8263	.01	-8	20
bromoform	.37917	.31884	.1	16	20
1,1,2,2,-tetrachloroethane	.52074	.46138	.3	11	20
1,2,3-trichloropropane	.44438	.45194	.01	-2	20
n-propylbenzene	3.5418	3.4029	.01	4	20
bromobenzene	.80081	.75121	.01	6	20
1,3,5-trimethybenzene	2.5803	2.4891	.01	4	20
2-chlorotoluene	2.7949	2.6445	.01	5	20
4-chorotoluene	2.5642	2.4542	.01	4	20
tert-butylbenzene	1.9261	1.9919	.01	-3	20
1,2,4-trimethylbenzene	2.6389	2.7721	.01	-5	20
sec-butylbenzene	2.814	2.9318	.01	-4	20
p-isopropyltoluene	2.2819	2.4554	.01	-8	20
1,3-dichlorobenzene	1.4448	1.4376	.01	0	20
1,4-dichlorobenzene	1.5124	1.5131	.01	0	20
n-butylbenzene	2.8807	3.1139	.01	-8	20
1,2-dichlorobenzene	1.3330	1.3138	.01	1	20
1,2-dibromo-3-chloropropane	.1073	.10281	.01	4	20
1,2,4-trichlorobenzene	.74043	.73205	.01	1	20
hexachlorobutadiene	.41739	.41678	.01	0	20
naphthalene	1.2092	1.1019	.01	9	20
1,2,3-trichlorobenzene	.57264	.57794	.01	-1	20
dibromofluoromethane	.31604	.31931	.01	-1	30
1,2-dichloroethane-d4	.45709	.50107	.01	-10	30
toluene-d8	1.3742	1.4222	.01	-3	30

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1006795

Instrument ID: Gonzo.i Calibration Date: 13-MAY-2010 Time: 11:01

Lab File ID: 0513A01.D Init. Calib. Date(s): 08-APR-2 08-APR-2

Sample No: 8260 CCAL Init. Calib. Times : 10:22 13:41

Compound	RRF	RRF	MIN RRF	%D	MAX %D
4-bromofluorobenzene	1.0767	.96524	.01	10	30

FORM VII MCP-8260-10

ANALYTICAL REPORT

Lab Number:	L1006885
Client:	Haley & Aldrich, Inc. 465 Medford Street, Suite 2200 Charlestown, MA 02129-1400
ATTN:	Rebecca Higgins
Phone:	(617) 886-7326
Project Name:	27 WASHINGTON ST.
Project Number:	34263-044
Report Date:	05/17/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), 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: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006885
Report Date: 05/17/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006885-01	HA-MW105	Not Specified	05/07/10 10:00
L1006885-02	HA-MW3	Not Specified	05/07/10 13:40
L1006885-03	HA-MW2	Not Specified	05/07/10 16:15
L1006885-04	05072010	Not Specified	05/07/10 00:00

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1006885
Project Number:	34263-044	**Report Date:**	05/17/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is 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
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
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
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
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	YES
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
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

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

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

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1006885
Project Number:	34263-044	**Report Date:**	05/17/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Sample Receipt

Headspace was noted in the Trip Blank vials provided for Volatile Organics and VPH. The analysis was performed at the client's request.

The EPH analysis for samples "HA-MW105" and "HA-MW3" was cancelled per client's request.

Volatile Organics

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The WG413048-2 LCSD recovery, associated with L1006885-01 through -04, is below the acceptance criteria

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885
Project Number: 34263-044 **Report Date:** 05/17/10

Case Narrative (continued)

for Carbon disulfide (69%); however, it has been identified as a "difficult" analyte and is within the 40-160% acceptance limits. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.
The initial calibration, associated with L1006885-01 through -04, did not meet the method required minimum response factor for Acetone, Tert-butyl-alcohol, Tetrahydrofuran, 1,4-Dioxane and 4-Methyl-2-pentanone and utilized a quadratic fit for 2-Butanone, 1,1,1-Trichloroethane, 2,2-Dichloropropane, Carbon tetrachloride, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromoethane, 1,1,1,2-Tetrachloroethane, n-Butylbenzene, Bromoform, Hexachlorobutadiene, Naphthalene and 1,2,3-Trichlorobenzene.
The continuing calibration standard, associated with L1006885-01 through -04, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

VPH
In reference to question I:
All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

EPH
In reference to question H:
The WG412388-2 LCS recovery, associated with L1006885-03, was outside the acceptance criteria for Decane (C10) (39%); however, the target carbon ranges and analytes were within method criteria. The results of the original analysis are reported.
The WG412388-2/-3 LCS/LCSD RPD, associated with L1006885-03, is above the acceptance criteria for Nonane (C9) (26%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated samples are reported.

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: Lisa Westerlind

Title: Technical Director/Representative Date: 05/17/10

ORGANICS

VOLATILES

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID:	L1006885-01	Date Collected:	05/07/10 10:00
Client ID:	HA-MW105	Date Received:	05/10/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/14/10 11:14		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	5.3		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	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	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	5.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	1.2		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID: L1006885-01 Date Collected: 05/07/10 10:00

Client ID: HA-MW105 Date Received: 05/10/10

Sample Location: Not Specified Field Prep: Not Specified

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

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID: L1006885-01 Date Collected: 05/07/10 10:00

Client ID: HA-MW105 Date Received: 05/10/10

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	99		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	87		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID:	L1006885-02	Date Collected:	05/07/10 13:40
Client ID:	HA-MW3	Date Received:	05/10/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/14/10 16:31		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	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	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	5.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID: L1006885-02 Date Collected: 05/07/10 13:40

Client ID: HA-MW3 Date Received: 05/10/10

Sample Location: Not Specified Field Prep: Not Specified

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

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID: L1006885-02 Date Collected: 05/07/10 13:40

Client ID: HA-MW3 Date Received: 05/10/10

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	96		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	88		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID:	L1006885-03	Date Collected:	05/07/10 16:15
Client ID:	HA-MW2	Date Received:	05/10/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/14/10 12:17		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	14		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	1.6		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	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	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	5.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	5.3		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID: L1006885-03 Date Collected: 05/07/10 16:15

Client ID: HA-MW2 Date Received: 05/10/10

Sample Location: Not Specified Field Prep: Not Specified

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

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID: L1006885-03 Date Collected: 05/07/10 16:15

Client ID: HA-MW2 Date Received: 05/10/10

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	99		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	90		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID:	L1006885-04	Date Collected:	05/07/10 00:00
Client ID:	05072010	Date Received:	05/10/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/14/10 10:43		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	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	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	5.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID: L1006885-04 Date Collected: 05/07/10 00:00

Client ID: 05072010 Date Received: 05/10/10

Sample Location: Not Specified Field Prep: Not Specified

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

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID: L1006885-04 Date Collected: 05/07/10 00:00

Client ID: 05072010 Date Received: 05/10/10

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	97		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	87		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/14/10 08:04
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG413048-3					
Methylene chloride	ND		ug/l	5.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	1.0	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	5.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/14/10 08:04
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG413048-3					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
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	2.0	--
Tetrahydrofuran	ND		ug/l	10	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	5.0	--
n-Propylbenzene	ND		ug/l	2.0	--

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/14/10 08:04
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG413048-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
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	--
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	83		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006885

Report Date: 05/17/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG413048-1 WG413048-2								
Methylene chloride	92		89		70-130	3		20
1,1-Dichloroethane	82		77		70-130	6		20
Chloroform	85		80		70-130	6		20
Carbon tetrachloride	93		85		70-130	9		20
1,2-Dichloropropane	79		80		70-130	1		20
Dibromochloromethane	94		92		70-130	2		20
1,1,2-Trichloroethane	91		94		70-130	3		20
Tetrachloroethene	94		90		70-130	4		20
Chlorobenzene	90		88		70-130	2		20
Trichlorofluoromethane	92		85		70-130	8		20
1,2-Dichloroethane	86		83		70-130	4		20
1,1,1-Trichloroethane	88		82		70-130	7		20
Bromodichloromethane	93		90		70-130	3		20
trans-1,3-Dichloropropene	99		93		70-130	6		20
cis-1,3-Dichloropropene	80		75		70-130	6		20
1,1-Dichloropropene	85		80		70-130	6		20
Bromoform	109		103		70-130	6		20
1,1,2,2-Tetrachloroethane	101		103		70-130	2		20
Benzene	84		81		70-130	4		20
Toluene	92		89		70-130	3		20
Ethylbenzene	96		92		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006885
Report Date: 05/17/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG413048-1 WG413048-2								
Chloromethane	103		102		70-130	1		20
Bromomethane	100		94		70-130	6		20
Vinyl chloride	99		96		70-130	3		20
Chloroethane	91		87		70-130	4		20
1,1-Dichloroethene	86		80		70-130	7		20
trans-1,2-Dichloroethene	81		77		70-130	5		20
Trichloroethene	77		71		70-130	8		20
1,2-Dichlorobenzene	100		102		70-130	2		20
1,3-Dichlorobenzene	101		101		70-130	0		20
1,4-Dichlorobenzene	101		100		70-130	1		20
Methyl tert butyl ether	81		79		70-130	3		20
p/m-Xylene	98		93		70-130	5		20
o-Xylene	96		92		70-130	4		20
cis-1,2-Dichloroethene	85		82		70-130	4		20
Dibromomethane	82		80		70-130	2		20
1,2,3-Trichloropropane	108		114		70-130	5		20
Styrene	92		88		70-130	4		20
Dichlorodifluoromethane	103		103		70-130	0		20
Acetone	90		95		70-130	5		20
Carbon disulfide	78		**69**	Q	70-130	12		20
2-Butanone	93		88		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006885

Report Date: 05/17/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG413048-1 WG413048-2								
4-Methyl-2-pentanone	96		91		70-130	5		20
2-Hexanone	106		103		70-130	3		20
Bromochloromethane	92		81		70-130	13		20
Tetrahydrofuran	74		74		70-130	0		20
2,2-Dichloropropane	100		97		70-130	3		20
1,2-Dibromoethane	94		93		70-130	1		20
1,3-Dichloropropane	86		86		70-130	0		20
1,1,1,2-Tetrachloroethane	112		108		70-130	4		20
Bromobenzene	100		98		70-130	2		20
n-Butylbenzene	88		89		70-130	1		20
sec-Butylbenzene	94		94		70-130	0		20
tert-Butylbenzene	92		90		70-130	2		20
o-Chlorotoluene	96		95		70-130	1		20
p-Chlorotoluene	99		97		70-130	2		20
1,2-Dibromo-3-chloropropane	109		110		70-130	1		20
Hexachlorobutadiene	94		96		70-130	2		20
Isopropylbenzene	96		91		70-130	5		20
p-Isopropyltoluene	91		89		70-130	2		20
Naphthalene	70		73		70-130	4		20
n-Propylbenzene	98		97		70-130	1		20
1,2,3-Trichlorobenzene	85		87		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006885

Report Date: 05/17/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG413048-1 WG413048-2								
1,2,4-Trichlorobenzene	87		92		70-130	6		20
1,3,5-Trimethylbenzene	94		94		70-130	0		20
1,2,4-Trimethylbenzene	93		92		70-130	1		20
Ethyl ether	86		83		70-130	4		20
Isopropyl Ether	94		93		70-130	1		20
Ethyl-Tert-Butyl-Ether	94		94		70-130	0		20
Tertiary-Amyl Methyl Ether	94		94		70-130	0		20
1,4-Dioxane	90		80		70-130	12		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		100		70-130
Toluene-d8	108		106		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	97		92		70-130

PETROLEUM HYDROCARBONS

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID:	L1006885-01	Date Collected:	05/07/10 10:00
Client ID:	HA-MW105	Date Received:	05/10/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	05/12/10 15:01		
Analyst:	GK		

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	50.0	--	1
C9-C12 Aliphatics	ND		ug/l	50.0	--	1
C9-C10 Aromatics	ND		ug/l	50.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	95		70-130
2,5-Dibromotoluene-FID	88		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID:	L1006885-02	Date Collected:	05/07/10 13:40
Client ID:	HA-MW3	Date Received:	05/10/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	05/12/10 15:52		
Analyst:	GK		

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	50.0	--	1
C9-C12 Aliphatics	ND		ug/l	50.0	--	1
C9-C10 Aromatics	ND		ug/l	50.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	99		70-130
2,5-Dibromotoluene-FID	93		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID:	L1006885-03	Date Collected:	05/07/10 16:15
Client ID:	HA-MW2	Date Received:	05/10/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	05/12/10 16:43		
Analyst:	GK		

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	50.0	--	1
C9-C12 Aliphatics	ND		ug/l	50.0	--	1
C9-C10 Aromatics	ND		ug/l	50.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	104		70-130
2,5-Dibromotoluene-FID	98		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID:	L1006885-03			Date Collected:	05/07/10 16:15
Client ID:	HA-MW2			Date Received:	05/10/10
Sample Location:	Not Specified			Field Prep:	Not Specified
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	98,EPH-04-1.1			Extraction Date:	05/11/10 13:49
Analytical Date:	05/12/10 19:33	M.S. Analytical Date:	05/12/10 20:41	Cleanup Method1:	EPH-04-1
Analyst:	MW	M.S. Analyst:	AS	Cleanup Date1:	05/12/10

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	RL	MDL	Dilution Factor
EPH w/MS Targets - Westborough Lab						
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID:	L1006885-03	Date Collected:	05/07/10 16:15
Client ID:	HA-MW2	Date Received:	05/10/10
Sample Location:	Not Specified	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/MS Targets - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	83		40-140
o-Terphenyl	62		40-140
2-Fluorobiphenyl	69		40-140
2-Bromonaphthalene	73		40-140
O-Terphenyl-MS	57		40-140

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

SAMPLE RESULTS

Lab ID:	L1006885-04	Date Collected:	05/07/10 00:00
Client ID:	05072010	Date Received:	05/10/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	05/12/10 17:34		
Analyst:	GK		

Quality Control Information

Condition of sample received:	Headspace noted in vial
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	50.0	--	1
C9-C12 Aliphatics	ND		ug/l	50.0	--	1
C9-C10 Aromatics	ND		ug/l	50.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	106		70-130
2,5-Dibromotoluene-FID	99		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 98,EPH-04-1.1
Analytical Date: 05/13/10 11:47
Analyst: MW

M.S. Analytical Date: 05/12/10 15:53
M.S. Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 05/11/10 13:49
Cleanup Method1: EPH-04-1
Cleanup Date1: 05/12/10

Parameter	Result	Qualifier	Units	RL	MDL
EPH w/MS Targets - Westborough Lab for sample(s): 03 Batch: WG412388-1					
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	72		40-140
o-Terphenyl	68		40-140
2-Fluorobiphenyl	67		40-140
2-Bromonaphthalene	68		40-140
O-Terphenyl-MS	71		40-140

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 100,VPH-04-1.1
Analytical Date: 05/12/10 12:14
Analyst: GK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-04 Batch: WG412500-3					
C5-C8 Aliphatics	ND		ug/l	50.0	--
C9-C12 Aliphatics	ND		ug/l	50.0	--
C9-C10 Aromatics	ND		ug/l	50.0	--
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	87		70-130
2,5-Dibromotoluene-FID	80		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006885

Report Date: 05/17/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/MS Targets - Westborough Lab Associated sample(s): 03 Batch: WG412388-2 WG412388-3								
C9-C18 Aliphatics	47		55		40-140	16		25
C19-C36 Aliphatics	79		76		40-140	4		25
C11-C22 Aromatics	90		104		40-140	14		25
Naphthalene	53		68		40-140	25		25
2-Methylnaphthalene	70		84		40-140	18		25
Acenaphthylene	74		86		40-140	15		25
Acenaphthene	58		68		40-140	16		25
Fluorene	77		84		40-140	9		25
Phenanthrene	61		63		40-140	3		25
Anthracene	83		86		40-140	4		25
Fluoranthene	72		80		40-140	11		25
Pyrene	80		87		40-140	8		25
Benzo(a)anthracene	74		84		40-140	13		25
Chrysene	73		86		40-140	16		25
Benzo(b)fluoranthene	63		74		40-140	16		25
Benzo(k)fluoranthene	76		88		40-140	15		25
Benzo(a)pyrene	63		72		40-140	13		25
Indeno(1,2,3-cd)Pyrene	67		79		40-140	16		25
Dibenzo(a,h)anthracene	63		74		40-140	16		25
Benzo(ghi)perylene	68		78		40-140	14		25
Nonane (C9)	34		44		30-140	**26**	Q	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006885

Report Date: 05/17/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/MS Targets - Westborough Lab Associated sample(s): 03 Batch: WG412388-2 WG412388-3								
Decane (C10)	**39**	Q	50		40-140	25		25
Dodecane (C12)	46		56		40-140	20		25
Tetradecane (C14)	56		63		40-140	12		25
Hexadecane (C16)	62		69		40-140	11		25
Octadecane (C18)	64		73		40-140	13		25
Nonadecane (C19)	66		74		40-140	11		25
Eicosane (C20)	65		74		40-140	13		25
Docosane (C22)	70		75		40-140	7		25
Tetracosane (C24)	84		77		40-140	9		25
Hexacosane (C26)	85		78		40-140	9		25
Octacosane (C28)	75		77		40-140	3		25
Triacontane (C30)	71		80		40-140	12		25
Hexatriacontane (C36)	70		81		40-140	15		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1006885
Report Date: 05/17/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/MS Targets - Westborough Lab Associated sample(s): 03 Batch: WG412388-2 WG412388-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	68		50		40-140
o-Terphenyl	96		98		40-140
2-Fluorobiphenyl	87		96		40-140
2-Bromonaphthalene	96		103		40-140
O-Terphenyl-MS	106		98		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-04 Batch: WG412500-1 WG412500-2								
C5-C8 Aliphatics	108		108		70-130	0		25
C9-C12 Aliphatics	110		106		70-130	4		25
C9-C10 Aromatics	112		113		70-130	1		25
Benzene	115		117		70-130	2		25
Toluene	116		117		70-130	1		25
Ethylbenzene	115		116		70-130	1		25
p/m-Xylene	113		115		70-130	2		25
o-Xylene	112		114		70-130	2		25
Methyl tert butyl ether	105		114		70-130	8		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1006885

Report Date: 05/17/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-04 Batch: WG412500-1 WG412500-2								
Naphthalene	98		105		70-130	7		25
1,2,4-Trimethylbenzene	110		111		70-130	1		25
Pentane	112		112		70-130	0		25
2-Methylpentane	107		108		70-130	1		25
2,2,4-Trimethylpentane	106		106		70-130	0		25
n-Nonane	105		105		30-130	0		25
n-Decane	113		104		70-130	8		25
n-Butylcyclohexane	106		106		70-130	0		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	113		113		70-130
2,5-Dibromotoluene-FID	104		104		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

Fractionation Check Standard
Quality Control

Fractionation check standard for 201004218

Parameter	% Recovery	QC Criteria
C9-C18 Aliphatics	79	40-140
C19-C36 Aliphatics	90	40-140
C11-C22 Aromatics	85	40-140
Naphthalene	80	40-140
2-Methylnaphthalene	80	40-140
Acenaphthylene	75	40-140
Acenaphthene	81	40-140
Fluorene	78	40-140
Phenanthrene	82	40-140
Anthracene	80	40-140
Fluoranthene	80	40-140
Pyrene	81	40-140
Benzo(a)anthracene	74	40-140
Chrysene	76	40-140
Benzo(b)fluoranthene	72	40-140
Benzo(k)fluoranthene	79	40-140
Benzo(a)pyrene	66	40-140
Indeno(1,2,3-cd)Pyrene	75	40-140
Dibenzo(a,h)anthracene	72	40-140
Benzo(g,h,i)perylene	76	40-140
Nonane	42	30-140
Decane	75	40-140
Dodecane	79	40-140
Tetradecane	83	40-140
Hexadecane	87	40-140
Octadecane	90	40-140
Nonadecane	90	40-140
Eicosane	90	40-140
Docosane	91	40-140
Tetracosane	91	40-140
Hexacosane	90	40-140
Octacosane	90	40-140
Triacontane	90	40-140
Hexatriacontane	88	40-140
% Naphthalene Breakthrough	0	0-5
% 2-Methylnaphthalene Breakthrough	0	0-5

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885

Project Number: 34263-044 **Report Date:** 05/17/10

Fractionation Check Standard
Quality Control

Fractionation check standard for 201004218

Surrogate	% Recovery	QC Criteria
Chloro-Octadecane	79	40-140
o-Terphenyl	75	40-140
2-Fluorobiphenyl	76	40-140
2-Bromonaphthalene	80	40-140

Project Name: 27 WASHINGTON ST. **Lab Number:** L1006885
Project Number: 34263-044 **Report Date:** 05/17/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006885-01A	Vial HCl preserved	A	N/A	2.5	Y	Absent	MCP-8260-10(14)
L1006885-01B	Vial HCl preserved	A	N/A	2.5	Y	Absent	MCP-8260-10(14)
L1006885-01C	Vial HCl preserved	A	N/A	2.5	Y	Absent	VPH-10(14)
L1006885-01D	Vial HCl preserved	A	N/A	2.5	Y	Absent	VPH-10(14)
L1006885-01E	Amber 1000ml HCl preserved	A	<2	2.5	Y	Absent	MCP()
L1006885-01F	Amber 1000ml HCl preserved	A	<2	2.5	Y	Absent	MCP()
L1006885-02A	Vial HCl preserved	A	N/A	2.5	Y	Absent	MCP-8260-10(14)
L1006885-02B	Vial HCl preserved	A	N/A	2.5	Y	Absent	MCP-8260-10(14)
L1006885-02C	Vial HCl preserved	A	N/A	2.5	Y	Absent	VPH-10(14)
L1006885-02D	Vial HCl preserved	A	N/A	2.5	Y	Absent	VPH-10(14)
L1006885-02E	Amber 1000ml HCl preserved	A	<2	2.5	Y	Absent	VPH-10(14)
L1006885-02F	Amber 1000ml HCl preserved	A	<2	2.5	Y	Absent	VPH-10(14)
L1006885-03A	Vial HCl preserved	A	N/A	2.5	Y	Absent	MCP-8260-10(14)
L1006885-03B	Vial HCl preserved	A	N/A	2.5	Y	Absent	MCP-8260-10(14)
L1006885-03C	Vial HCl preserved	A	N/A	2.5	Y	Absent	VPH-10(14)
L1006885-03D	Vial HCl preserved	A	N/A	2.5	Y	Absent	VPH-10(14)
L1006885-03E	Amber 1000ml HCl preserved	A	<2	2.5	Y	Absent	EPH-MS-10(14),EPHD-GC-10(14)
L1006885-03F	Amber 1000ml HCl preserved	A	<2	2.5	Y	Absent	EPH-MS-10(14),EPHD-GC-10(14)
L1006885-04A	Vial HCl preserved	A	N/A	2.5	Y	Absent	MCP-8260-10(14)
L1006885-04B	Vial HCl preserved	A	N/A	2.5	Y	Absent	VPH-10(14)

*Values in parentheses indicate holding time in days

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1006885
Project Number:	34263-044	**Report Date:**	05/17/10

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.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

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.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL 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

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 at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to 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.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1006885
Project Number:	34263-044	**Report Date:**	05/17/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1006885
Project Number:	34263-044	**Report Date:**	05/17/10

REFERENCES

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

98 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, May 2004, Revision 1.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, July 2010.

100 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, May 2004, Revision 1.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, July 2010.

LIMITATION OF LIABILITIES

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

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.

Certificate/Approval Program Summary

Last revised March 16, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

ALPHA Job # L1006885

05171015:41

HALEY & ALDRICH

Haley & Aldrich, Inc.
465 Medford St.,
Suite 2200,
Boston, MA 02129-1400

Phone (617) 886-7400
Fax (617) 886-7600

CHAIN OF CUSTODY RECORD

Page 01 of 07

H&A FILE NO.	34263-044	LABORATORY	Alpha
PROJECT NAME	27 Washington St,	ADDRESS	Westboro, MA
H&A CONTACT	L. Vanzler	CONTACT	Co. Hall
DELIVERY DATE	5/10/10		
TURNAROUND TIME	STD		
PROJECT MANAGER	R. Higgins		

Sample No.	Date	Time	Depth	Type	Analysis Requested: (1) VOA	(2) ABNs PAH only	(3) MCP Metals	Pesticides PCBs	VPH Full Suite C-ranges only	EPH Full Suite C-ranges only	TPH (specify)	TCLP (specify)	Reactivity Ignitability Corrosivity				Number of Containers
HA-MW105	5/7/10	1000	Ag	Ag	X	X	X										6
HA-MW3	5/7/10	1340	Ag	Ag	X	X	X										6
HA-MW2	5/7/10	1615	Ag	Ag	X	X	X										6
05072010	5/5/10	1700	Ag	Ag	X	X											2

Comments (special instructions, precautions, additional method numbers, etc.)

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

(1) VOC's by 8260
(2) VPH (C-Ranges Only)
(3) EPH

Sampled and Relinquished by	Received by
Sign	Sign
Print Christopher Jones	Print Desmond Crayford
Firm Haley & Aldrich	Firm Haley & Aldrich
Date 5/7/2010 Time 1845	Date 5/10/10 Time 0900
Relinquished by	**Received by**
Sign	Sign
Print Desmond Crayford	Print Wayne Plumer
Firm Haley & Aldrich	Firm Alpha
Date 5/10/10 Time 1555	Date 5/10/10 Time 1555
Relinquished by	**Received by**
Sign	Sign
Print Wayne Plumer	Print Lan Thuong TIGO
Firm Alpha	Firm Alpha
Date 5/10/10 Time 1815	Date 5/10/10 Time 1815

	(1) VOA	(2) ABNs PAH only	(3) MCP Metals										Number
LIQUID													
VOA Vial	X	X											
Amber Glass	X	X	X										
Plastic Bottle													
Preservative	AF	AF	AF										
Volume	40mL	40mL	1000										
SOLID													
VOA Vial													
Amber Glass													
Clear Glass													
Preservative													
Volume													

Sampling Comments

Please call Lee Vanzler with any questions.

* VPH TB has air bubble

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

X The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

___ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

X This Chain of Custody Record (specify) ___ includes X does not include samples defined as Drinking Water Samples.

___ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are required, as appropriate. Laboratory should (specify if applicable) ___ analyz

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☒ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE - Laboratory CANARY - Project Manager PINK - Haley & Aldrich Laboratory

AUGUST 2008

Form 3003

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1006885

Instrument ID: Quimby.i Calibration Date: 14-MAY-2010 Time: 07:01

Lab File ID: 0514A02.D Init. Calib. Date(s): 11-MAR-2 11-MAR-2

Sample No: 8260CCAL Init. Calib. Times : 05:23 09:03

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.40254	.41457	.05	-3	20	
chloromethane	.5695	.58514	.05	-3	20	
vinyl chloride	.37537	.37315	.05	1	20	
bromomethane	.26677	.26536	.05	1	20	
chloroethane	.30557	.27734	.05	9	20	
trichlorofluoromethane	.48765	.44986	.05	8	20	
ethyl ether	.091	.0784	.05	14	20	
acrolien	------	------	.05	---	20	
freon-113	.27279	------	.05	---	20	
acetone	.04029	.03634	.05	10	20	
1,1,-dichloroethene	.25328	.21718	.05	14	20	
tert-butyl alcohol	------	------	.05	---	20	
iodomethane	.45303	------	.05	---	20	
methylene chloride	.35421	.32403	.05	9	20	
carbon disulfide	.87075	.68266	.05	22	20	F
methyl tert butyl ether	.28673	.23245	.05	19	20	
Halothane	.18873	------	.05	---	20	
trans-1,2-dichloroethene	.28364	.22912	.05	19	20	
vinyl acetate	.39129	------	.05	---	20	
Diisopropyl Ether	.79919	.75094	.05	6	20	
1,1-dichloroethane	.56259	.46321	.05	18	20	
Ethyl-Tert-Butyl-Ether	.46587	.43615	.05	6	20	
2-butanone	100	93.443	.05	7	20	
2,2-dichloropropane	100	100	.05	0	20	
cis-1,2-dichloroethene	.2975	.2539	.05	15	20	
chloroform	.48665	.41222	.05	15	20	
bromochloromethane	.10143	.0932	.05	8	20	
tetrahydrofuran	.03164	.02325	.05	27	20	F
1,1,1-trichloroethane	100	88.546	.05	11	20	
1,1-dichloropropene	.35454	.30068	.05	15	20	
carbontetrachloride	100	92.653	.05	7	20	
Tertiary-Amyl Methyl Ether	.3091	.29086	.05	6	20	
1,2-dichloroethane	.27922	.24141	.05	14	20	
benzene	1.1929	.99986	.05	16	20	
trichloroethene	.29082	.22277	.05	23	20	F
1,2-dichloropropane	.25577	.20255	.05	21	20	F
bromodichloromethane	.21762	.20332	.05	7	20	
1,4-dioxane	.00148	.00133	.05	10	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1006885

Instrument ID: Quimby.i Calibration Date: 14-MAY-2010 Time: 07:01

Lab File ID: 0514A02.D Init. Calib. Date(s): 11-MAR-2 11-MAR-2

Sample No: 8260CCAL Init. Calib. Times : 05:23 09:03

Compound	RRF	RRF	MIN RRF	%D	MAX %D
dibromomethane	.09801	.08043	.05	18	20
2-chloroethylvinyl ether	.05977	------	.05	---	20
4-methyl-2-pentanone	.03708	.03575	.05	4	20
cis-1,3-dichloropropene	100	80.476	.05	20	20
toluene	.95719	.88058	.05	8	20
trans-1,3-dichloropropene	100	99	.05	1	20
1,1,2-trichloroethane	.1097	.09941	.05	9	20
2-hexanone	100	106	.05	-6	20
1,3-dichloropropane	.26543	.22878	.05	14	20
tetrachloroethene	.36426	.34421	.05	6	20
chlorodibromomethane	100	93.640	.05	6	20
1,2-dibromoethane	100	93.663	.05	6	20
chlorobenzene	1.0165	.91943	.05	10	20
1,1,1,2-tetrachloroethane	100	112	.05	-12	20
ethyl benzene	2.1383	2.0642	.05	3	20
p/m xylene	.79289	.77322	.05	2	20
o xylene	.7588	.73174	.05	4	20
styrene	1.1644	1.0656	.05	8	20
isopropylbenzene	2.1444	2.0702	.05	3	20
bromoform	100	109	.05	-9	20
1,1,2,2,-tetrachloroethane	.27793	.27969	.05	-1	20
1,2,3-trichloropropane	.20473	.22181	.05	-8	20
n-propylbenzene	4.2687	4.1994	.05	2	20
bromobenzene	.59441	.59694	.05	0	20
1,3,5-trimethybenzene	2.7655	2.5921	.05	6	20
2-chlorotoluene	2.8419	2.7380	.05	4	20
4-chorotoluene	2.5215	2.5018	.05	1	20
tert-butylbenzene	2.3901	2.1862	.05	9	20
1,2,4-trimethylbenzene	2.8386	2.6342	.05	7	20
sec-butylbenzene	3.5407	3.3300	.05	6	20
p-isopropyltoluene	100	90.603	.05	9	20
1,3-dichlorobenzene	1.4076	1.4232	.05	-1	20
1,4-dichlorobenzene	1.3842	1.3976	.05	-1	20
n-butylbenzene	100	88.165	.05	12	20
1,2-dichlorobenzene	1.1657	1.1681	.05	0	20
1,2-dibromo-3-chloropropane	100	109	.05	-9	20
1,2,4-trichlorobenzene	.63527	.55543	.05	13	20
hexachlorobutadiene	100	93.925	.05	6	20

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1006885

Instrument ID: Quimby.i Calibration Date: 14-MAY-2010 Time: 07:01

Lab File ID: 0514A02.D Init. Calib. Date(s): 11-MAR-2 11-MAR-2

Sample No: 8260CCAL Init. Calib. Times : 05:23 09:03

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
naphthalene	100	70.145	.05	30	20	F
1,2,3-trichlorobenzene	100	84.640	.05	15	20	
dibromofluoromethane	.2157	.20927	.05	3	20	
1,2-dichloroethane-d4	.21218	.21641	.05	-2	20	
toluene-d8	1.2247	1.3211	.05	-8	20	
4-bromofluorobenzene	.89482	.88866	.05	1	20	

FORM VII MCP-8260-10

ANALYTICAL REPORT

Lab Number:	L1007987
Client:	Haley & Aldrich, Inc. 465 Medford Street, Suite 2200 Charlestown, MA 02129-1400
ATTN:	Rebecca Higgins
Phone:	(617) 886-7326
Project Name:	27 WASHINGTON ST.
Project Number:	34263-044
Report Date:	06/07/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), 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: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1007987
Report Date: 06/07/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1007987-01	TB20100527	Not Specified	05/27/10 00:00
L1007987-02	HA-MW-133	Not Specified	05/27/10 10:00
L1007987-03	HA-MW110	Not Specified	05/27/10 14:10

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1007987
Project Number:	34263-044	**Report Date:**	06/07/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is 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
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
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
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
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	YES
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
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

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

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

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987
Project Number: 34263-044 **Report Date:** 06/07/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Volatile Organics

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The WG415446-1 LCS recovery, associated with L1007987-01 and -02, is below the acceptance criteria for Dichlorodifluoromethane (69%); however, it has been identified as a "difficult" analyte and is within the 40-160% acceptance limits. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound. In addition, the associated WG415446-1/-2 LCS/LCSD RPD, is above the acceptance criteria for Dichlorodifluoromethane (23%).

The WG415446-1/-2 LCS/LCSD RPD, associated with L1007987-01 and -02, is above the acceptance criteria

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987
Project Number: 34263-044 **Report Date:** 06/07/10

Case Narrative (continued)

for Chloroethane (22%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated samples are reported.
The initial calibration, associated with L1007987-01 and -02, did not meet the method required minimum response factor for 1,4-Dioxane and utilized a quadratic fit for 1,1,2,2-Tetachloroethane.
The continuing calibration standard, associated with L1007987-01 and -02, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

EPH
In reference to question H:
The surrogate recoveries for the WG416087-1 Method Blank, associated with L1007987-02, are below the acceptance criteria for Chloro-Octadecane (22%) and o-Terphenyl (15%). The associated sample is non-detect and has acceptable surrogate recoveries; therefore, no further actions were taken.
The WG415083-2/-3 LCS/LCSD RPD, associated with L1007987-03, is above the acceptance criteria for Hexatriacontane (C36) (65%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated sample are reported.
In reference to question I:
L1007987-02 was analyzed for a subset of MCP compounds per the Chain of Custody.

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: Michelle M. Morris

Title: Technical Director/Representative Date: 06/07/10

ORGANICS

VOLATILES

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044
Lab Number: L1007987
Report Date: 06/07/10

SAMPLE RESULTS

Lab ID:	L1007987-01	Date Collected:	05/27/10 00:00
Client ID:	TB20100527	Date Received:	05/27/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	06/01/10 11:11		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	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	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	5.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987

Project Number: 34263-044 **Report Date:** 06/07/10

SAMPLE RESULTS

Lab ID: L1007987-01 Date Collected: 05/27/10 00:00

Client ID: TB20100527 Date Received: 05/27/10

Sample Location: Not Specified Field Prep: Not Specified

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

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987

Project Number: 34263-044 **Report Date:** 06/07/10

SAMPLE RESULTS

Lab ID: L1007987-01 Date Collected: 05/27/10 00:00

Client ID: TB20100527 Date Received: 05/27/10

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	111		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	111		70-130

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044
Lab Number: L1007987
Report Date: 06/07/10

SAMPLE RESULTS

Lab ID: L1007987-02
Client ID: HA-MW-133
Sample Location: Not Specified
Matrix: Water
Analytical Method: 97,8260B
Analytical Date: 06/01/10 11:43
Analyst: MM

Date Collected: 05/27/10 10:00
Date Received: 05/27/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	26		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	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	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	5.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	10		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987

Project Number: 34263-044 **Report Date:** 06/07/10

SAMPLE RESULTS

Lab ID: L1007987-02 Date Collected: 05/27/10 10:00

Client ID: HA-MW-133 Date Received: 05/27/10

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	1.5		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	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	2.0	--	1
Tetrahydrofuran	ND		ug/l	10	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	5.0	--	1
n-Propylbenzene	5.3		ug/l	2.0	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	11		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	33		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.0	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987

Project Number: 34263-044 **Report Date:** 06/07/10

SAMPLE RESULTS

Lab ID: L1007987-02 Date Collected: 05/27/10 10:00

Client ID: HA-MW-133 Date Received: 05/27/10

Sample Location: Not Specified Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	108		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987

Project Number: 34263-044 **Report Date:** 06/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/01/10 09:34
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG415446-3					
Methylene chloride	ND		ug/l	5.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	1.0	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	5.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987

Project Number: 34263-044 **Report Date:** 06/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/01/10 09:34
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG415446-3					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
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	2.0	--
Tetrahydrofuran	ND		ug/l	10	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	5.0	--
n-Propylbenzene	ND		ug/l	2.0	--

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987

Project Number: 34263-044 **Report Date:** 06/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/01/10 09:34
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG415446-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
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	--
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1007987

Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG415446-1 WG415446-2								
Methylene chloride	98		111		70-130	12		20
1,1-Dichloroethane	95		110		70-130	15		20
Chloroform	96		107		70-130	11		20
Carbon tetrachloride	100		118		70-130	17		20
1,2-Dichloropropane	95		101		70-130	6		20
Dibromochloromethane	98		103		70-130	5		20
1,1,2-Trichloroethane	95		99		70-130	4		20
Tetrachloroethene	96		106		70-130	10		20
Chlorobenzene	93		100		70-130	7		20
Trichlorofluoromethane	108		130		70-130	18		20
1,2-Dichloroethane	95		104		70-130	9		20
1,1,1-Trichloroethane	98		112		70-130	13		20
Bromodichloromethane	99		112		70-130	12		20
trans-1,3-Dichloropropene	98		101		70-130	3		20
cis-1,3-Dichloropropene	90		98		70-130	9		20
1,1-Dichloropropene	94		110		70-130	16		20
Bromoform	106		106		70-130	0		20
1,1,2,2-Tetrachloroethane	99		103		70-130	4		20
Benzene	96		110		70-130	14		20
Toluene	93		101		70-130	8		20
Ethylbenzene	97		107		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1007987

Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG415446-1 WG415446-2								
Chloromethane	78		94		70-130	19		20
Bromomethane	82		89		70-130	8		20
Vinyl chloride	83		98		70-130	17		20
Chloroethane	88		110		70-130	**22**	Q	20
1,1-Dichloroethene	99		116		70-130	16		20
trans-1,2-Dichloroethene	97		109		70-130	12		20
Trichloroethene	99		110		70-130	11		20
1,2-Dichlorobenzene	96		102		70-130	6		20
1,3-Dichlorobenzene	98		107		70-130	9		20
1,4-Dichlorobenzene	94		103		70-130	9		20
Methyl tert butyl ether	87		84		70-130	4		20
p/m-Xylene	98		109		70-130	11		20
o-Xylene	99		107		70-130	8		20
cis-1,2-Dichloroethene	98		108		70-130	10		20
Dibromomethane	91		94		70-130	3		20
1,2,3-Trichloropropane	111		108		70-130	3		20
Styrene	97		106		70-130	9		20
Dichlorodifluoromethane	**69**	Q	87		70-130	**23**	Q	20
Acetone	124		125		70-130	1		20
Carbon disulfide	111		130		70-130	16		20
2-Butanone	120		121		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1007987

Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG415446-1 WG415446-2								
4-Methyl-2-pentanone	106		94		70-130	12		20
2-Hexanone	108		93		70-130	15		20
Bromochloromethane	100		110		70-130	10		20
Tetrahydrofuran	108		113		70-130	5		20
2,2-Dichloropropane	99		113		70-130	13		20
1,2-Dibromoethane	98		97		70-130	1		20
1,3-Dichloropropane	97		100		70-130	3		20
1,1,1,2-Tetrachloroethane	100		109		70-130	9		20
Bromobenzene	96		102		70-130	6		20
n-Butylbenzene	90		96		70-130	6		20
sec-Butylbenzene	89		94		70-130	5		20
tert-Butylbenzene	89		92		70-130	3		20
o-Chlorotoluene	94		104		70-130	10		20
p-Chlorotoluene	95		103		70-130	8		20
1,2-Dibromo-3-chloropropane	95		91		70-130	4		20
Hexachlorobutadiene	94		100		70-130	6		20
Isopropylbenzene	92		100		70-130	8		20
p-Isopropyltoluene	89		94		70-130	5		20
Naphthalene	85		76		70-130	11		20
n-Propylbenzene	93		99		70-130	6		20
1,2,3-Trichlorobenzene	94		95		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1007987

Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG415446-1 WG415446-2								
1,2,4-Trichlorobenzene	96		98		70-130	2		20
1,3,5-Trimethylbenzene	92		99		70-130	7		20
1,2,4-Trimethylbenzene	91		98		70-130	7		20
Ethyl ether	89		90		70-130	1		20
Isopropyl Ether	91		97		70-130	6		20
Ethyl-Tert-Butyl-Ether	92		96		70-130	4		20
Tertiary-Amyl Methyl Ether	92		92		70-130	0		20
1,4-Dioxane	108		100		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	103		108		70-130

PETROLEUM HYDROCARBONS

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987

Project Number: 34263-044 **Report Date:** 06/07/10

SAMPLE RESULTS

Lab ID:	L1007987-02	Date Collected:	05/27/10 10:00
Client ID:	HA-MW-133	Date Received:	05/27/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	98,EPH-04-1.1	Extraction Date:	06/03/10 21:23
Analytical Date:	06/05/10 04:10	Cleanup Method1:	EPH-04-1
Analyst:	AS	Cleanup Date1:	06/04/10

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	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		ug/l	102	--	1
C19-C36 Aliphatics	ND		ug/l	102	--	1
C11-C22 Aromatics, Unadjusted	ND		ug/l	102	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	102	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	72		40-140
o-Terphenyl	67		40-140
2-Fluorobiphenyl	73		40-140
2-Bromonaphthalene	81		40-140

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987

Project Number: 34263-044 **Report Date:** 06/07/10

SAMPLE RESULTS

Lab ID:	L1007987-03			Date Collected:	05/27/10 14:10
Client ID:	HA-MW110			Date Received:	05/27/10
Sample Location:	Not Specified			Field Prep:	Not Specified
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	98,EPH-04-1.1			Extraction Date:	05/28/10 09:50
Analytical Date:	06/04/10 00:23	M.S. Analytical Date:	06/03/10 11:27	Cleanup Method1:	EPH-04-1
Analyst:	AS	M.S. Analyst:	HL	Cleanup Date1:	06/03/10

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	RL	MDL	Dilution Factor
EPH w/MS Targets - Westborough Lab						
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	ND		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	ND		ug/l	0.412	--	1
Anthracene	ND		ug/l	0.412	--	1
Fluoranthene	ND		ug/l	0.412	--	1
Pyrene	ND		ug/l	0.412	--	1
Benzo(a)anthracene	ND		ug/l	0.412	--	1
Chrysene	ND		ug/l	0.412	--	1
Benzo(b)fluoranthene	ND		ug/l	0.412	--	1
Benzo(k)fluoranthene	ND		ug/l	0.412	--	1
Benzo(a)pyrene	ND		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	ND		ug/l	0.412	--	1

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987

Project Number: 34263-044 **Report Date:** 06/07/10

SAMPLE RESULTS

Lab ID:	L1007987-03	Date Collected:	05/27/10 14:10
Client ID:	HA-MW110	Date Received:	05/27/10
Sample Location:	Not Specified	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/MS Targets - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	53		40-140
o-Terphenyl	74		40-140
2-Fluorobiphenyl	71		40-140
2-Bromonaphthalene	73		40-140
O-Terphenyl-MS	85		40-140

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987

Project Number: 34263-044 **Report Date:** 06/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 98,EPH-04-1.1
Analytical Date: 06/01/10 11:11
Analyst: AS

M.S. Analytical Date: 06/01/10 10:23
M.S. Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 05/28/10 09:49
Cleanup Method1: EPH-04-1
Cleanup Date1: 06/01/10

Parameter	Result	Qualifier	Units	RL	MDL
EPH w/MS Targets - Westborough Lab for sample(s): 03 Batch: WG415083-1					
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	67		40-140
o-Terphenyl	84		40-140
2-Fluorobiphenyl	79		40-140
2-Bromonaphthalene	84		40-140
O-Terphenyl-MS	92		40-140

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1007987
Report Date: 06/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 98,EPH-04-1.1
Analytical Date: 06/04/10 18:00
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 06/03/10 21:22
Cleanup Method1: EPH-04-1
Cleanup Date1: 06/04/10

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 02 Batch: WG416087-1					
C9-C18 Aliphatics	ND		ug/l	100	--
C19-C36 Aliphatics	ND		ug/l	100	--
C11-C22 Aromatics, Unadjusted	ND		ug/l	100	--
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	**22**	Q	40-140
o-Terphenyl	**15**	Q	40-140
2-Fluorobiphenyl	78		40-140
2-Bromonaphthalene	83		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1007987
Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/MS Targets - Westborough Lab Associated sample(s): 03 Batch: WG415083-2 WG415083-3								
C9-C18 Aliphatics	65		60		40-140	8		25
C19-C36 Aliphatics	88		84		40-140	5		25
C11-C22 Aromatics	90		99		40-140	10		25
Naphthalene	79		81		40-140	3		25
2-Methylnaphthalene	94		93		40-140	1		25
Acenaphthylene	95		90		40-140	5		25
Acenaphthene	91		93		40-140	2		25
Fluorene	97		95		40-140	2		25
Phenanthrene	98		93		40-140	5		25
Anthracene	123		113		40-140	8		25
Fluoranthene	115		113		40-140	2		25
Pyrene	112		108		40-140	4		25
Benzo(a)anthracene	103		104		40-140	1		25
Chrysene	93		94		40-140	1		25
Benzo(b)fluoranthene	94		99		40-140	5		25
Benzo(k)fluoranthene	95		99		40-140	4		25
Benzo(a)pyrene	85		87		40-140	2		25
Indeno(1,2,3-cd)Pyrene	85		90		40-140	6		25
Dibenzo(a,h)anthracene	84		86		40-140	2		25
Benzo(ghi)perylene	89		91		40-140	2		25
Nonane (C9)	52		50		30-140	4		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1007987

Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/MS Targets - Westborough Lab Associated sample(s): 03 Batch: WG415083-2 WG415083-3								
Decane (C10)	60		57		40-140	5		25
Dodecane (C12)	65		61		40-140	6		25
Tetradecane (C14)	73		66		40-140	10		25
Hexadecane (C16)	81		73		40-140	10		25
Octadecane (C18)	86		79		40-140	8		25
Nonadecane (C19)	88		82		40-140	7		25
Eicosane (C20)	87		82		40-140	6		25
Docosane (C22)	88		84		40-140	5		25
Tetracosane (C24)	90		86		40-140	5		25
Hexacosane (C26)	90		86		40-140	5		25
Octacosane (C28)	89		84		40-140	6		25
Triacontane (C30)	92		88		40-140	4		25
Hexatriacontane (C36)	90		46		40-140	**65**	Q	25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1007987
Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/MS Targets - Westborough Lab Associated sample(s): 03 Batch: WG415083-2 WG415083-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	85		70		40-140
o-Terphenyl	92		96		40-140
2-Fluorobiphenyl	82		86		40-140
2-Bromonaphthalene	87		91		40-140
O-Terphenyl-MS	97		95		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 02 Batch: WG416087-2 WG416087-3								
C9-C18 Aliphatics	63		65		40-140	3		25
C19-C36 Aliphatics	95		90		40-140	5		25
C11-C22 Aromatics	80		70		40-140	13		25
Naphthalene	74		69		40-140	7		25
2-Methylnaphthalene	79		71		40-140	11		25
Acenaphthylene	79		69		40-140	14		25
Acenaphthene	75		67		40-140	11		25
Fluorene	75		64		40-140	16		25
Phenanthrene	86		72		40-140	18		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1007987

Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 02 Batch: WG416087-2 WG416087-3								
Anthracene	82		69		40-140	17		25
Fluoranthene	83		70		40-140	17		25
Pyrene	87		72		40-140	19		25
Benzo(a)anthracene	80		67		40-140	18		25
Chrysene	80		68		40-140	16		25
Benzo(b)fluoranthene	81		69		40-140	16		25
Benzo(k)fluoranthene	78		66		40-140	17		25
Benzo(a)pyrene	76		64		40-140	17		25
Indeno(1,2,3-cd)Pyrene	80		68		40-140	16		25
Dibenzo(a,h)anthracene	74		64		40-140	14		25
Benzo(ghi)perylene	77		66		40-140	15		25
Nonane (C9)	44		49		30-140	11		25
Decane (C10)	54		57		40-140	5		25
Dodecane (C12)	62		66		40-140	6		25
Tetradecane (C14)	67		71		40-140	6		25
Hexadecane (C16)	74		77		40-140	4		25
Octadecane (C18)	83		82		40-140	1		25
Nonadecane (C19)	88		86		40-140	2		25
Eicosane (C20)	90		86		40-140	5		25
Docosane (C22)	94		88		40-140	7		25
Tetracosane (C24)	97		91		40-140	6		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 27 WASHINGTON ST.

Project Number: 34263-044

Lab Number: L1007987

Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 02 Batch: WG416087-2 WG416087-3								
Hexacosane (C26)	97		91		40-140	6		25
Octacosane (C28)	94		88		40-140	7		25
Triacontane (C30)	98		91		40-140	7		25
Hexatriacontane (C36)	96		90		40-140	6		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	86		84		40-140
o-Terphenyl	77		67		40-140
2-Fluorobiphenyl	81		66		40-140
2-Bromonaphthalene	87		75		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987

Project Number: 34263-044 **Report Date:** 06/07/10

Fractionation Check Standard
Quality Control

Fractionation check standard for 201004218

Parameter	% Recovery	QC Criteria
C9-C18 Aliphatics	79	40-140
C19-C36 Aliphatics	90	40-140
C11-C22 Aromatics	85	40-140
Naphthalene	80	40-140
2-Methylnaphthalene	80	40-140
Acenaphthylene	75	40-140
Acenaphthene	81	40-140
Fluorene	78	40-140
Phenanthrene	82	40-140
Anthracene	80	40-140
Fluoranthene	80	40-140
Pyrene	81	40-140
Benzo(a)anthracene	74	40-140
Chrysene	76	40-140
Benzo(b)fluoranthene	72	40-140
Benzo(k)fluoranthene	79	40-140
Benzo(a)pyrene	66	40-140
Indeno(1,2,3-cd)Pyrene	75	40-140
Dibenzo(a,h)anthracene	72	40-140
Benzo(g,h,i)perylene	76	40-140
Nonane	42	30-140
Decane	75	40-140
Dodecane	79	40-140
Tetradecane	83	40-140
Hexadecane	87	40-140
Octadecane	90	40-140
Nonadecane	90	40-140
Eicosane	90	40-140
Docosane	91	40-140
Tetracosane	91	40-140
Hexacosane	90	40-140
Octacosane	90	40-140
Triacontane	90	40-140
Hexatriacontane	88	40-140
% Naphthalene Breakthrough	0	0-5
% 2-Methylnaphthalene Breakthrough	0	0-5

Project Name: 27 WASHINGTON ST. **Lab Number:** L1007987

Project Number: 34263-044 **Report Date:** 06/07/10

Fractionation Check Standard
Quality Control

Fractionation check standard for 201004218

Surrogate	% Recovery	QC Criteria
Chloro-Octadecane	79	40-140
o-Terphenyl	75	40-140
2-Fluorobiphenyl	76	40-140
2-Bromonaphthalene	80	40-140

Project Name: 27 WASHINGTON ST.
Project Number: 34263-044

Lab Number: L1007987
Report Date: 06/07/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1007987-01A	Vial HCl preserved	A	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1007987-02A	Vial HCl preserved	A	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1007987-02B	Vial HCl preserved	A	N/A	3.4	Y	Absent	MCP-8260-10(14)
L1007987-02C	Amber 1000ml HCl preserved	A	<2	3.4	Y	Absent	EPH-10(14)
L1007987-02D	Amber 1000ml HCl preserved	A	<2	3.4	Y	Absent	EPH-10(14)
L1007987-03A	Amber 1000ml HCl preserved	A	<2	3.4	Y	Absent	EPH-MS-10(14),EPHD-GC-10(14)
L1007987-03B	Amber 1000ml HCl preserved	A	<2	3.4	Y	Absent	EPH-MS-10(14),EPHD-GC-10(14)

*Values in parentheses indicate holding time in days

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1007987
Project Number:	34263-044	**Report Date:**	06/07/10

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.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

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.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL 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

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 at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to 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.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1007987
Project Number:	34263-044	**Report Date:**	06/07/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	27 WASHINGTON ST.	**Lab Number:**	L1007987
Project Number:	34263-044	**Report Date:**	06/07/10

REFERENCES

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

98 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, May 2004, Revision 1.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, July 2010.

LIMITATION OF LIABILITIES

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

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.

Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

ALPHA Job # L1007987

Serial_No:06071018:01

HALEY & ALDRICH

Haley & Aldrich, Inc.
465 Medford St.,
Suite 2200,
Boston, MA 02129-1400

CHAIN OF CUSTODY RECORD

Phone (617) 886-7400
Fax (617) 886-7600
Page 1 of 1

H&A FILE NO.
PROJECT NAME 27 WASHINGTON ST.
H&A CONTACT L. VANZLER

LABORATORY ALPHA
ADDRESS WESTBORO, MA
CONTACT GINA

DELIVERY DATE 5/27/10
TURNAROUND TIME STANDARD
PROJECT MANAGER R HIGGINS

Sample No.	Date	Time	Depth	Type	VOA (1)	SVOCs PAH only (2)	MCP Metals (3)	Pesticides PCBs	VPH Full Suite C-ranges only	EPH Full Suite C-ranges only	TPH (specify)	TCLP (specify)	Reactivity Ignitability Corrosivity	Number of Containers
TB20100527	5/25/10	0800	—	AQ	X									1
HA-MW-133	5/27/10	1000	—	AQ	X	X								4
HA-MW110	5/27/10	1410	—	AQ	X		X							2
HA-MW3	5/27/10			AQ	X									2

Analysis Requested

Comments (special instructions, precautions, additional method numbers, etc.)

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

(1) VOCs 8260B
(2) EPH GRANGES ONLY
(3) EPH C-RANGES & TARGET ANALYTES

Sampled and Relinquished by	Received by
Sign	Sign
Print BEN BABCOCK	Print Wayne Plumer
Firm H&A	Firm Alpha
Date 5/27/10 Time 1610	Date 5/27/10 Time 1610

Relinquished by	Received by
Sign	Sign
Print Wayne Plumer	Print
Firm Alpha	Firm Alpha
Date 5/27/10 Time 1835	Date 5/27/10 Time 1835

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time

LIQUID														TOTAL = 7
X														VOA Vial
	X													Amber Glass
														Plastic Bottle
AF	AF													Preservative
40ml	1L													Volume

SOLID														
														VOA Vial
														Amber Glass
														Clear Glass
														Preservative
														Volume

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

- A The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
- _____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
- K This Chain of Custody Record (specify) _____ includes K does not include samples defined as Drinking Water Samples.
- _____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are required, as appropriate. Laboratory should (specify if applicable) _____ analyz

Required Reporting Limits and Data Quality Objectives

- ☐ RC-S1
- ☐ RC-S2
- ☑ RC-GW1
- ☐ RC-GW2
- ☐ S1
- ☐ S2
- ☐ S3
- ☑ GW1
- ☐ GW2
- ☐ GW3

WHITE - Laboratory CANARY - Project Manager PINK - Haley & Aldrich Laboratory AUGUST 2008

Form 3003

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1007987

Instrument ID: Jack.i Calibration Date: 01-JUN-2010 Time: 08:30

Lab File ID: 0601A03.D Init. Calib. Date(s): 11-MAY-2 11-MAY-2

Sample No: wg415446-1,31,1 Init. Calib. Times : 08:37 14:32

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.56547	.39106	.05	31	20	F
chloromethane	.92719	.71843	.05	23	20	F
vinyl chloride	.66083	.54655	.05	17	20	
bromomethane	.33346	.27498	.05	18	20	
chloroethane	.2698	.23841	.05	12	20	
trichlorofluoromethane	.7661	.83082	.05	-8	20	
ethyl ether	.19343	.17239	.05	11	20	
1,1,-dichloroethene	.40215	.39824	.05	1	20	
carbon disulfide	1.0350	1.1487	.05	-11	20	
methylene chloride	.6331	.6192	.05	2	20	
acetone	.1238	.15377	.05	-24	20	F
trans-1,2-dichloroethene	.64193	.62317	.05	3	20	
methyl tert butyl ether	1.2568	1.0938	.05	13	20	
Ethyl-Tert-Butyl-Ether	1.7326	1.6024	.05	8	20	
Diisopropyl Ether	2.5389	2.3032	.01	9	20	
1,1-dichloroethane	1.1762	1.1141	.05	5	20	
cis-1,2-dichloroethene	.70818	.69555	.05	2	20	
2,2-dichloropropane	.88385	.87118	.05	1	20	
bromochloromethane	.32504	.32596	.05	0	20	
chloroform	1.1112	1.0711	.05	4	20	
carbontetrachloride	.8862	.88727	.05	0	20	
tetrahydrofuran	.10175	.11011	.05	-8	20	
1,1,1-trichloroethane	.99109	.97222	.05	2	20	
Tertiary-Amyl Methyl Ether	1.3196	1.2133	.05	8	20	
1,1-dichloropropene	.87962	.82305	.05	6	20	
2-butanone	.20883	.25166	.05	-21	20	F
benzene	2.6485	2.5423	.05	4	20	
1,2-dichloroethane	.74597	.71116	.05	5	20	
trichloroethene	.72946	.71962	.05	1	20	
dibromomethane	.3446	.31246	.05	9	20	
1,2-dichloropropane	.71705	.67999	.05	5	20	
bromodichloromethane	.76449	.75567	.05	1	20	
1,4-dioxane	.00385	.00415	.05	-8	20	F
cis-1,3-dichloropropene	.89684	.80357	.05	10	20	
toluene	2.1672	2.0117	.05	7	20	
tetrachloroethene	1.0484	1.0103	.05	4	20	
4-methyl-2-pentanone	.15389	.16401	.05	-7	20	
trans-1,3-dichloropropene	.90335	.88654	.05	2	20	

FORM VII

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1007987

Instrument ID: Jack.i Calibration Date: 01-JUN-2010 Time: 08:30

Lab File ID: 0601A03.D Init. Calib. Date(s): 11-MAY-2 11-MAY-2

Sample No: wg415446-1,31,1 Init. Calib. Times : 08:37 14:32

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.48074	.45681	.05	5	20
chlorodibromomethane	.67153	.65709	.05	2	20
1,3-dichloropropane	.98173	.94939	.05	3	20
1,2-dibromoethane	.5807	.57061	.05	2	20
2-hexanone	.34074	.36933	.05	-8	20
chlorobenzene	2.4620	2.2833	.05	7	20
ethyl benzene	4.0550	3.9471	.05	3	20
1,1,1,2-tetrachloroethane	.84866	.84485	.05	0	20
p/m xylene	1.6385	1.6126	.05	2	20
o xylene	1.5361	1.5140	.05	1	20
styrene	2.4534	2.3725	.05	3	20
bromoform	.65084	.68675	.05	-6	20
isopropylbenzene	4.1563	3.8446	.05	8	20
bromobenzene	1.8514	1.7871	.05	3	20
n-propylbenzene	8.0073	7.4554	.05	7	20
1,1,2,2,-tetrachloroethane	100	99	.05	1	20
2-chlorotoluene	5.4147	5.0735	.05	6	20
1,2,3-trichloropropane	.76732	.84989	.05	-11	20
1,3,5-trimethybenzene	5.6499	5.1795	.05	8	20
4-chorotoluene	4.8572	4.6291	.05	5	20
tert-butylbenzene	4.9298	4.4031	.05	11	20
1,2,4-trimethylbenzene	5.6768	5.1737	.05	9	20
sec-butylbenzene	6.9372	6.1516	.01	11	20
p-isopropyltoluene	5.6394	5.0202	.05	11	20
1,3-dichlorobenzene	3.4762	3.4072	.05	2	20
1,4-dichlorobenzene	3.5481	3.3463	.05	6	20
n-butylbenzene	4.4817	4.0566	.05	9	20
1,2-dichlorobenzene	3.1601	3.0424	.05	4	20
1,2-dibromo-3-chloropropane	.14322	.13559	.05	5	20
hexachlorobutadiene	.67093	.62835	.05	6	20
1,2,4-trichlorobenzene	1.6253	1.5580	.05	4	20
naphthalene	3.0114	2.568	.05	15	20
1,2,3-trichlorobenzene	1.3565	1.2789	.05	6	20
dibromofluoromethane	.24195	.24848	.05	-3	20
1,2-dichloroethane-d4	.24301	.23886	.05	2	20
toluene-d8	1.1593	1.1416	.01	2	20
4-bromofluorobenzene	.80642	.75472	.05	6	20

FORM VII