HALEY ALDRICH

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REPORT ON

NOTICE OF INTENT (NOI)
TEMPORARY CONSTRUCTION DEWATERING
TELFORD STREET CONDOMINIUMS
355 WESTERN AVENUE, 1256 & 1266 SOLDIERS FIELD ROAD
ALLSTON, MASSACHUSETTS
RTN: 3-27871

by Haley & Aldrich, Inc.
Boston, Massachusetts

on behalf of DIV Telford, LLC
Boston, Massachusetts

for US Environmental Protection Agency
Boston, Massachusetts

File No. 42907-033
April 2016

HALEY & ALDRICH, INC.
465 Medford St.
Suite 2200
Boston, MA 02129
617.886.7400

26 April 2016
File No. 42907-033

US Environmental Protection Agency
Dewatering GP Processing
Municipal Assistance Unit (CMU)
1 Congress Street, Suite 1100
Boston, Massachusetts 02114-2023

Attention: Ms. Suzanne Warner

Subject: Notice of Intent (NOI)
Temporary Construction Dewatering
Telford Street Condominiums
355 Western Avenue, 1256 & 1266 Soldiers Field Road
Allston, Massachusetts
RTN: 3-27871

Ladies and Gentlemen:

On behalf of our client, DIV Telford, LLC, and in accordance with the National Pollutant Discharge Elimination System (NPDES) General Permit for Dewatering Activities – Massachusetts General Permit, MAG070000, included herewith are the Notice of Intent (NOI) and applicable documentation as required by the US Environmental Protection Agency (USEPA) and Massachusetts Department of Environmental Protection (MassDEP) for construction site dewatering under the General Permit. Temporary dewatering is planned in support of the construction of the proposed Condominiums at 355 Western Avenue, 1256 & 1266 Soldiers Field Road in Allston, Massachusetts (the site), as shown on Figure 1, Project Locus. We anticipate temporary construction dewatering will be conducted, as necessary, during below grade excavation and planned construction.

SITE DESCRIPTION

The site is currently vacant and occupied by two commercial buildings, paved driveways, and parking areas. The site buildings were recently occupied by biomedical and laboratory research offices and a media technology company. The area in the vicinity of the subject property is generally characterized as a suburban mix of properties with commercial and residential uses and parking areas. Site grades are relatively flat and generally range from about El. 17 to El. 19 Boston City Base (BCB[1]) datum. The site location is shown on Figure 1, Project Locus.

1 Elevations presented in this report are given in feet and refer to the Boston City Base (BCB) Datum. Boston City Base is 5.65 ft below the National Geodetic Vertical Datum (NGVD) wherein El. 0.0 (BCB) equals El. -5.65 (NGVD).

PROPOSED CONTRUCTION AND MANAGEMENT OF DEWATERING EFFLUENT

A new six-story condominium building is planned for construction that will include one level of below-grade parking. The lowest floor of the below grade parking will be finished at approximate El. 4 BCB at or near existing grades. The ground floor will be occupied by parking, bike storage, a rowing room, and a lobby. The new building will occupy a majority of the site as shown on Figure 2.

Where possible, the project will utilize on-site recharge of the dewatering effluent; however, where on-site recharge is not feasible, the project plans to direct the dewatering effluent to the existing storm drain system, which drains to the Charles River, as shown in Figure 2, Subsurface Exploration and Discharge Location Plan. Site work and associated construction dewatering are anticipated to begin in May 2016 and are estimated to be complete around June 2017.

The contractor will design, operate, and maintain dewatering and sedimentation control systems for off-site discharge. The systems will be designed to meet the permit requirements for suspended solids, pH, and other constituents in the effluent stream prior to discharge into the nearby storm drain.

Haley & Aldrich will perform the required sampling and testing of the dewatering effluent and will report the results as required by the permit. The Contractor's sedimentation system and/or dewatering procedures will be designed as necessary to comply with the Permit Discharge Criteria.

CONTACT INFORMATION

Applicant:
DIV Telford LLC
125 High Street, 21st Floor
Boston, Massachusetts 02210
Attention: Stephen Davis
Tel: 617.515.5852

Representative preparing this application:
Haley & Aldrich, Inc.
465 Medford Street, Suite 2200
Boston, Massachusetts 02129-1400
Attention: Keith E. Johnson, P.E., LSP
Tel: 617.886.7318

ANALYTICAL TESTING

In support of the NOI, one unfiltered groundwater sample was obtained from observation well HA2-OW on 9 February 2016. The groundwater sample was submitted to Alpha Analytical Laboratory (Alpha) of Westborough, Massachusetts for analysis of VOCs, SVOCs, total metals, dissolved metals, EPH, VPH, PCBs, Total Suspended Solids (TSS), chloride, total cyanide, total phenolics, total residual chlorine, TPH, and pH.

Results of the analysis indicated total arsenic, total copper, and total selenium above NPDES RGP effluent limits for Category III sites, but below applicable MCP RCGW-2 Reportable Concentrations. A Dilution Factor (DF) was calculated for the detected level of total metals greater than the applicable

effluent limits (arsenic, copper, and selenium). The calculated DF was used to find the appropriate Dilution Range concentrations for these metals. The calculated DF is equal to 75 and using a DF of 75, the ceiling limitation for the calculated dilution factor for arsenic is 500 ug/L, copper is 260 ug/L, and selenium is 250 ug/l. As such, a dewatering general permit is considered the appropriate permit because although compounds were detected all were below NPDES RGP Category III Freshwater Criteria >50-100 DF and applicable MCP RCGW-2 criteria. The results of the water quality testing are summarized in Table I. The location of the observation well is shown on Figure 2.

CLOSING

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

Sincerely yours,
HALEY & ALDRICH, INC.

Lindsey R. Howard
Engineer

Corinne M. McKenzie
Technical Specialist

Keith E. Johnson, P.E., LSP of Record
Vice President

Attachments:

Table I – Summary of Groundwater Quality Data

Figure 1 – Site Locus
Figure 2 – Subsurface Exploration and Discharge Location Plan

Appendix A – "Suggested Notice of Intent" (NOI) Form as provided in Appendix V of the NPDES Dewatering General Permit
Appendix B – Boston Water and Sewer Commission – Dewatering Discharge Permit Application
Appendix C – Areas of Critical Environmental Concern
Appendix D – National Register of Historic Places and Massachusetts Historical Commission Documentation
Appendix E – Endangered Species Act Documentation
Appendix F – Laboratory Data Report

TABLE I
SUMMARY OF GROUNDWATER QUALITY DATA
TELFORD STREET CONDOMINIUMS
ALLSTON, MASSACHUSETTS
FILE NO. 42907-003

LOCATION SAMPLING DATE LAB SAMPLE ID	NPDES RGP Effluent Limits <50-100 DF* (mg/l)	NPDES DGP Discharge Limitations and Monitoring Requirements (mg/l)	MCP RCGW-2 Reportable Criteria (mg/l)	HA2-OW 2/19/2016 L1604613-01
VOCs by GC/MS (mg/l)		-		
Total VOCs by GC/MS	NA	-	NA	ND
VOCs by GC/MS-SIM (mg/l)				
1,4-Dioxane	Monitor Only	-	6	ND(0.003)
SVOCs by GC/MS (mg/l)				
2,4,6-Trichlorophenol	NA	-	0.5	0.012
3-Methylphenol/4-Methylphenol	NA	-	50	0.0093
Benzoic Acid	NA	-	NA	0.057
Bis(2-ethylhexyl)phthalate	NA	-	50	0.012
Dibenzofuran	NA	-	10	0.0025
Phenol	NA	-	2	0.013
Total SVOCs by GC/MS	NA	-	NA	0.1058
SVOCs by GC/MS-SIM (mg/l)				
Benzo(a)anthracene	0.0000038	-	1	ND(0.0002)
Benzo(a)pyrene	0.0000038	-	0.5	ND(0.0002)
Benzo(b)fluoranthene	0.0000038	-	0.4	ND(0.0002)
Benzo(k)fluoranthene	0.0000038	-	0.1	ND(0.0002)
Chrysene	0.0000038	-	0.07	ND(0.0002)
Dibenzo(a,h)anthracene	0.0000038	-	0.04	ND(0.0002)
Indeno(1,2,3-cd)Pyrene	0.0000038	-	0.1	ND(0.0002)
Total Group I PAHs	0.01	-	NA	ND
Acenaphthene	NA	-	10	0.005
Acenaphthylene	NA	-	0.04	ND(0.0002)
Anthracene	NA	-	0.03	0.00094
Benzo(ghi)perylene	NA	-	0.02	ND(0.0002)
Fluoranthene	NA	-	0.2	0.0031
Fluorene	NA	-	0.04	0.0038
Naphthalene	0.02	-	0.7	0.0014
Phenanthrene	NA	-	10	0.012
Pyrene	NA	-	0.02	0.0018
Total Group II PAHs	0.1	-	NA	0.02804
1-Methylnaphthalene	NA	-	NA	0.00065
2-Chloronaphthalene	NA	-	100	ND(0.0002)
2-Methylnaphthalene	NA	-	2	0.00059
Hexachlorobenzene	NA	-	0.001	ND(0.0008)
Hexachlorobutadiene	NA	-	0.05	ND(0.0005)
Hexachloroethane	NA	-	0.1	ND(0.0008)
Pentachlorophenol	NA	-	0.2	ND(0.0008)
Other SVOCs by GC/MS-SIM	NA	-	NA	0.00124
Total Metals (mg/l)				
Antimony, Total	0.0056	-	NA	ND(0.003)
Arsenic, Total	0.5*	-	NA	0.00117
Cadmium, Total	0.0002	-	NA	ND(0.0002)
Chromium, Total	0.0602	-	NA	0.00291
Chromium, Hexavalent	0.0114	-	NA	ND(0.01)
Copper, Total	0.26*	-	NA	0.0137
Iron, Total	1	-	NA	0.34
Lead, Total	0.0013	-	NA	ND(0.001)
Mercury, Total	0.0009	-	NA	ND(0.0002)
Nickel, Total	0.029	-	NA	0.00498
Selenium, Total	0.25*	-	NA	0.0324
Silver, Total	0.0012	-	NA	ND(0.0004)
Zinc, Total	0.0666	-	NA	0.01848
Dissolved Metals (mg/l)				
Antimony, Dissolved	NA	-	8	0.00294
Arsenic, Dissolved	NA	-	0.9	0.00107
Cadmium, Dissolved	NA	-	0.004	ND(0.0002)
Chromium, Dissolved	NA	-	0.3	0.00214
Copper, Dissolved	NA	-	100	0.01012
Iron, Dissolved	NA	-	NA	ND(0.05)
Lead, Dissolved	NA	-	0.01	ND(0.001)
Mercury, Dissolved	NA	-	0.02	ND(0.0002)
Nickel, Dissolved	NA	-	0.2	0.00288
Selenium, Dissolved	NA	-	0.1	0.0322
Silver, Dissolved	NA	-	0.007	ND(0.0004)
Zinc, Dissolved	NA	-	0.9	ND(0.01)

TABLE I
SUMMARY OF GROUNDWATER QUALITY DATA
TELFORD STREET CONDOMINIUMS
ALLSTON, MASSACHUSETTS
FILE NO. 42907-003

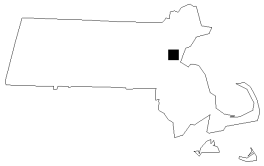
LOCATION SAMPLING DATE LAB SAMPLE ID	NPDES RGP Effluent Limits <50-100 DF* (mg/l)	NPDES DGP Discharge Limitations and Monitoring Requirements (mg/l)	MCP RCGW-2 Reportable Criteria (mg/l)	HA2-OW 2/19/2016 L1604613-01
Microextractables by GC (mg/l)				
1,2-Dibromoethane	50	-	0.002	ND(0.000011)
PCBs by GC (mg/l)				
Total PCBs	0.064	-	NA	ND
General Chemistry				
Chlorine, Total Residual (mg/l)	0.011	-	NA	ND(0.02)
Cyanide, Total (mg/l)	0.0052	-	0.03	0.005
Phenolics, Total (mg/l)	NA	-	NA	ND(0.03)
Chloride (mg/l)	Monitor Only	-	NA	552
pH (S.U.)	6.5 to 8.3	6.5 to 8	NA	6.43
Solids, Total Suspended (mg/l)	30	50	NA	ND(5)
Oil and Grease (ug/l)	-	15	NA	-
TPH (mg/l)	5	-	5	ND(4)

ABBREVIATIONS:
-: Not Analyzed
NA: Not applicable.
ND(2.5): Not detected; number in parenthesis is one-half the laboratory detection limit.
VOCs: Volatile Organic Compounds
SVOCs:Semivolatile Organic Compounds
PCBs: Polychlorinated Biphenyls
TPH: Total Petroleum Hydrocarbons

NOTES:
1. This table includes only those compounds detected on the dates indicated.
2. **BOLD** values indicate an exceedance of MCP RCGW-2 criteria.
3. **RED** values indicate an exceedance of NPDES RGP Effluent Limits at >50-100 dilution.
4. TSS is reported as the monthly average - maximum daily limit is 100 mg/l.
6. NPDES RGP effluent limits provided for freshwater receiving waters.
7. pH result was determined in the field on 19 February 2016.

MAP SOURCE: ESRI

SITE COORDINATES: 42°21'48"N, 71°8'15"W



HALEY ALDRICH

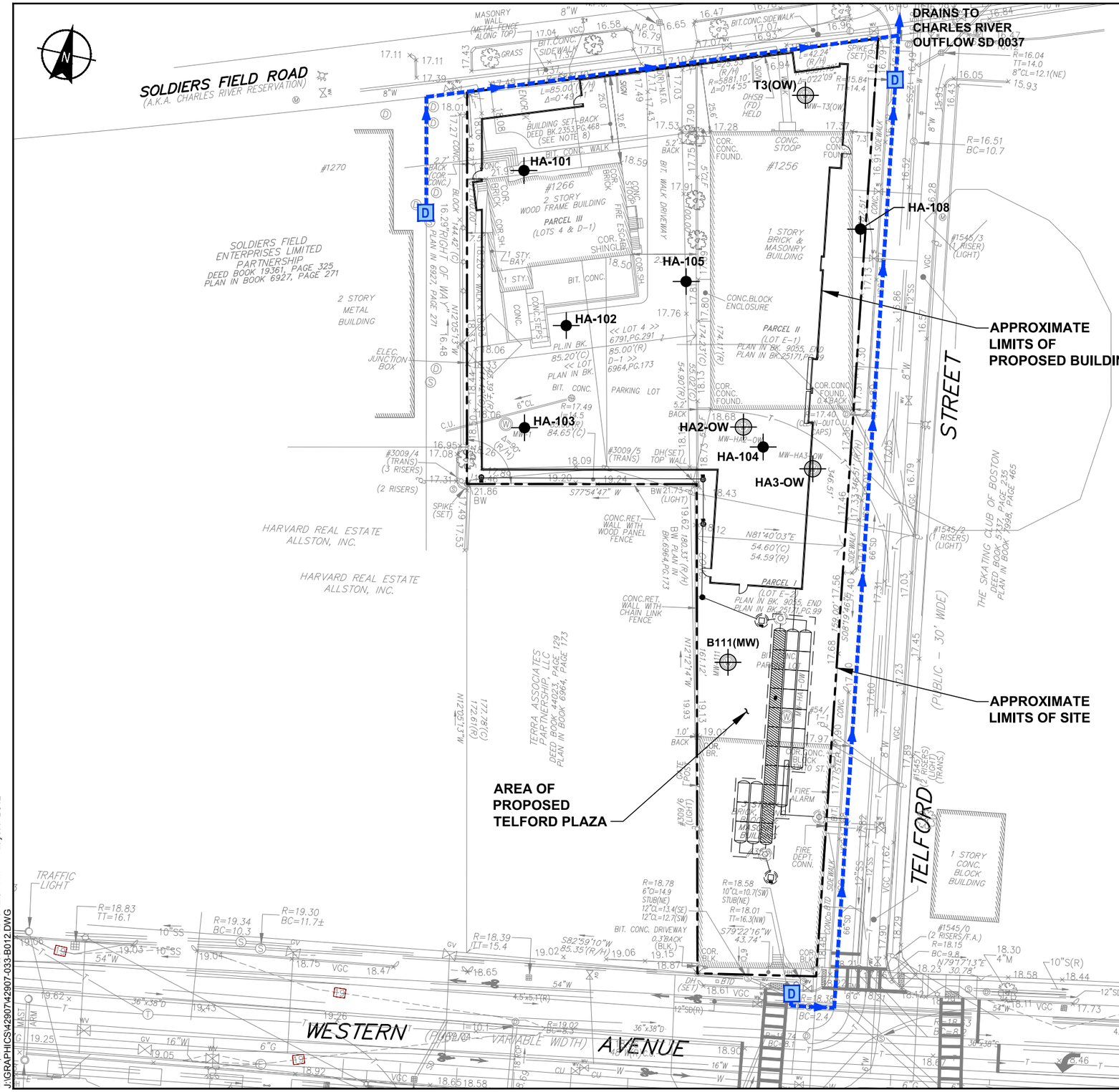
TELFORD STREET CONDOMINIUMS
ALLSTON, MASSACHUSETTS

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT

FIGURE 1

42907-041 A010.PDF



LEGEND

HA-101 ⌖	DESIGNATION AND APPROXIMATE LOCATION OF GEOPROBE EXPLORATION PERFORMED BY NORTHERN DRILL SERVICE, INC. AND MONITORED BY HALEY & ALDRICH, INC. BETWEEN 8 AND 9 FEBRUARY 2016
HA2-OW ⌖	DESIGNATION AND APPROXIMATE LOCATION OF EXISTING MONITORING WELL
D	PROPOSED CATCH BASIN DISCHARGE LOCATION
◄- - -	APPROXIMATE ROUTE OF DISCHARGE OUTFALL

NOTES

1. INFORMATION ON EXISTING TOPOGRAPHY, SITE CONDITIONS, PROPOSED BUILDING LOCATION, AND SITE DEVELOPMENT TAKEN FROM AN ELECTRONIC FILE TITLED "15034.00_Telford_Site.dwg", PROVIDED BY CUBE3 STUDIOS LLC AND RECEIVED BY HALEY & ALDRICH, INC. ON 11 FEBRUARY 2016.
2. ELEVATIONS ARE IN FEET AND ARE REFERENCED TO BOSTON CITY BASE (BCB).
3. THE LOCATIONS OF TEST BORINGS AND MONITORING WELLS PREVIOUSLY PERFORMED ON THE SITE ARE CONSIDERED APPROXIMATE.
4. FOR INFORMATION ON INDIVIDUAL SUBSURFACE EXPLORATIONS, SEE REPORT TEXT AND APPENDICES.

0 40 80
SCALE IN FEET

HALEY ALDRICH

TELFORD STREET CONDOMINIUMS
ALLSTON, MASSACHUSETTS

SUBSURFACE EXPLORATION AND DISCHARGE LOCATION PLAN

SCALE: AS SHOWN
APRIL 2016

FIGURE 2

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J:\GRAPHICS\42907\42907-033-B012.DWG

APPENDIX A

“Suggested Notice of Intent” (NOI) form as provided in Appendix IV of the NPDES Dewatering General Permit

II. Suggested Notice of Intent (NOI) Form

1. General facility information. Please provide the following information about the facility.

a) Name of facility: Telford Street Condominiums	**Mailing Address for the Facility:** 125 High Street, 21st Floor Boston, MA 02210	
b) Location Address of the Facility (if different from mailing address): 355 Western Ave, 1256 & 1266 Soldiers Field Road Allston, MA, 02135	**Facility Location** **longitude:** 42.21488 **latitude:** 71.08160	**Type of Business:** Current-Vacant Commercial/Proposed - Residential **Facility SIC codes:** NA

c) Name of facility owner: DIV Telford LLC Attn: Stephen Davis **Owner's email:** sdavis@TheDavisCcompanies.com

Owner's Tel #: 617-515-5852 **Owner's Fax #:** NA

Address of owner (if different from facility address)

125 High Street, 21st Floor
Boston, MA 02210

Owner is (check one): 1. Federal____ 2. State _____ 3.Tribal_____ 4. Private ✓ 4. Other _____(Describe)

Legal name of Operator, if not owner: _____

Operator Contact Name: _____

Operator Tel Number: _____ **Fax Number:** _____

Operator's email: _____

Operator Address (if different from owner)

d) Attach a topographic map indicating the location of the facility and the outfall(s) to the receiving water. Map attached? ✓

e) Check Yes or No for the following:

1. **Has a prior NPDES permit been granted for the discharge? Yes ____ No ✓ If Yes, Permit Number:** _____
2. **Is the discharge a "new discharge" as defined by 40 CFR Section 122.22? Yes ✓ No_____**
3. **Is the facility covered by an individual NPDES permit? Yes_____ No ✓ If Yes, Permit Number ____**
4. **Is there a pending application on file with EPA for this discharge? Yes _____ No ✓ If Yes, date of submittal:**

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

a) **Name of receiving water into which discharge will occur:** Charles River
State Water Quality Classification: Class B **Freshwater:** X **Marine Water:** _____

b) **Describe the discharge activities for which the owner/applicant is seeking coverage:**
(1.) **Construction dewatering of groundwater intrusion and/or storm water accumulation.**
2. **Short-term or long-term dewatering of foundation sumps.**
3. **Other.**

c) **Number of outfalls** 1

For each outfall:

d) **Estimate the maximum daily and average monthly flow of the discharge (in gallons per day – GPD). Max Daily Flow** 144,000 **GPD**
Average Monthly Flow 36,000 **GPD**

e) **What is the maximum and minimum monthly pH of the discharge (in s.u.)? Max pH** 8.3 **Min pH** 6.5

f) **Identify the source of the discharge (i.e. potable water, surface water, or groundwater). If groundwater, the facility shall submit effluent test results, as required in Section 4.4.5 of the General Permit.** Groundwater

g) **What treatment does the wastewater receive prior to discharge?** Sedimentation tank, other treatment as required .

h) **Is the discharge continuous? Yes** ✓ **No** _____ **If no, is the discharge periodic (P) (occurs regularly, i.e., monthly or seasonally, but is not continuous all year) or intermittent (I) (occurs sometimes but not regularly) or both (B)** _____
If (P), number of days or months per year of the discharge _____ **and the specific months of discharge** _____;
If (I), number of days/year there is a discharge _____
Is the discharge temporary? Yes ✓ **No** _____
If yes, approximate start date of dewatering April 2016 **approximate end date of dewatering** April 2018

i) **Latitude and longitude of each discharge within 100 feet (See http://www.epa.gov/tri/report/siting_tool): Outfall 1: long.** 71.08154 **lat.** 42.21500; **Outfall 2: long.** 71.08173 **lat.** 42.21492; **Outfall 3: long.** 71.08149 **lat.** 42.21466.

j) **If the source of the discharge is potable water, please provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water and attach any calculation sheets used to support stream flow and dilution calculations** NA **cfs**
(See Appendix VII for equations and additional information)

MASSACHUSETTS FACILITIES: See Section 3.4 and Appendix 1 of the General Permit for more information on Areas of Critical Environmental Concern (ACEC):

k) Does the discharge occur in an ACEC? Yes _____ No ✓
If yes, provide the name of the ACEC: _____

3. Contaminant Information

a) Are any pH neutralization and/or dechlorination chemicals used in the discharge? If so, include the chemical name and manufacturer; maximum and average daily quantity used as well as the maximum and average daily expected concentrations (mg/l) in the discharge, and the vendor's reported aquatic toxicity (NOAEL and/or LC_{50} in percent for aquatic organism(s)). pH treatment, if necessary, to be determined.

b) Please report any known remediation activities or water-quality issues in the vicinity of the discharge. No known remediation activities in vicinity of discharge.

4. Determination of Endangered Species Act Eligibility: Provide documentation of ESA eligibility as required at Part 3.4 and Appendices III and IV. In addition, respond to the following questions.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes____No ✓
b) Has any consultation with the federal services been completed ? Yes ✓ No__
c) Is consultation underway? Yes ____ No ✓
d) What were the results of the consultation with the U.S. Fish and Wildlife Service and/or NOAA 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.
e) Which of the five eligibility criteria listed in Appendix 2, Section B (A,B,C,D,or E) have you met? A
f) Please attach a copy of the most current federal listing of endangered and threatened species, found at USF&W website.

5. Documentation of National Historic Preservation Act requirements: Please respond to the following questions:

a) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility site or in proximity to the discharge? Yes ✓ No ____
b) Have any State or Tribal historic preservation officers been consulted in this determination? Yes _____ or No ✓ If yes, attach the results of the consultation(s).
c) Which of the three National Historic Preservation Act requirements listed in Appendix 3, Section C (1,2 o3) have you met? 2

6. 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

7. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22 (see below) including the following certification:

I certify under penalty of law that (1) no biocides or other chemical additives except for those used for pH adjustment and/or dechlorination are used in the dewatering system; (2) the discharge consists solely of dewatering and authorized pH adjustment and/or

dechlorination chemicals; (3) the discharge does not come in contact with any raw materials, intermediate product, water product or finished product; (4) if the discharge of dewatering subsequently mixes with other permitted wastewater (i.e.stormwater) prior to discharging to the receiving water, any monitoring provided under this permit will be only for dewatering discharge; (5) where applicable, the facility has complied with the requirements of this permit specific to the Endangered Species Act and National Historic Preservation Act; and (6) 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 Name: Telford Street Condominiums

Operator signature: DIV Telford, LLC
By: DIV Fund II Manager Corp., its manager

Title: Richard McCready
President

Date: 4/26/16

Federal regulations require this application to be signed as follows:

1. For a corporation, by a principal executive officer of at least the level of vice president;
2. For partnership or sole proprietorship, by a general partner or the proprietor, respectively, or,
3. For a municipality, State, Federal or other public facility, by either a principal executive officer or ranking elected official.

APPENDIX B

Boston Water and Sewer Commission – Dewatering Discharge Permit Application

Boston Water and Sewer Commission
980 Harrison Avenue
Boston, MA 02119-2540

DEWATERING DISCHARGE PERMIT APPLICATION

OWNER / AUTHORIZED APPLICANT PROVIDE INFORMATION HERE:

Company Name: DIV Telford, LLC Address: 125 High Street, 21st Floor

Phone number: (617) 936-4854 Fax number: _____

Contact person name: Stephen Davis Title: Vice President

Cell number: (617) 515-5852 Email address: sdavis @thedaviscompanies.com

Permit Request (check one): ☒ New Application ☐ Permit Extension ☐ Other (Specify):_____

Owner's Information (if different from above):

Owner of property being dewatered: _____

Owner's mailing address: _____ Phone number: _____

Location of Discharge & Proposed Treatment System(s):

Street number and name: 355 Western Ave Boston, MA 02215 Neighborhood Allston

Discharge is to a: ☐ Sanitary Sewer ☐ Combined Sewer ☒ Storm Drain ☐ Other (specify):_____

Describe Proposed Pre-Treatment System(s): SEDIMENTATION TANK, BAG FILTER, AND OTHER COMPONENTS AS NECESSARY (REFER TO ATTACHED DGP APPLICATION)

BWSC Outfall No. SD0037 Receiving Waters Charles River

Temporary Discharges (Provide Anticipated Dates of Discharge): From May 2016 To June 2017

- ☐ Groundwater Remediation
- ☐ Utility/Manhole Pumping
- ☒ Accumulated Surface Water
- ☐ Tank Removal/Installation
- ☐ Test Pipe
- ☐ Hydrogeologic Testing
- ☒ Foundation Excavation
- ☐ Trench Excavation
- ☐ Other _____

Permanent Discharges

- ☒ Foundation Drainage
- ☐ Accumulated Surface Water
- ☐ Non-contact/Uncontaminated Process
- ☐ Crawl Space/Footing Drain
- ☐ Non-contact/Uncontaminated Cooling
- ☐ Other; _____

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1. Attach a Site Plan showing the source of the discharge and the location of the point of discharge (i.e. the sewer pipe or catch basin). Include meter type, meter number, size, make and start reading. Note. All discharges to the Commission's sewer system will be assessed current sewer charges.
2. If discharging to a sanitary or combined sewer, attach a copy of MWRA's Sewer Use Discharge permit or application.
3. If discharging to a separate storm drain, attach a copy of EPA's NPDES Permit or NOI application, or NPDES Permit exclusion letter for the discharge, as well as other relevant information.
4. Dewatering Drainage Permit will be denied or revoked if applicant fails to obtain the necessary permits from MWRA or EPA.

Submit Completed Application to: Boston Water and Sewer Commission
Engineering Customer Services
980 Harrison Avenue, Boston, MA 02119
Attn: Francis M. McLaughlin, Manager Engineering Customer Services
E-mail: MclaughlinF@bwsc.org
Phone: 617-989-7208 Fax: 617-989-7716

BWSC Use Only: Date Received _____ Comments: _____

APPENDIX C

Areas of Critical Environmental Concern

MASSACHUSETTS AREAS OF CRITICAL ENVIRONMENTAL CONCERN
November 2010

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

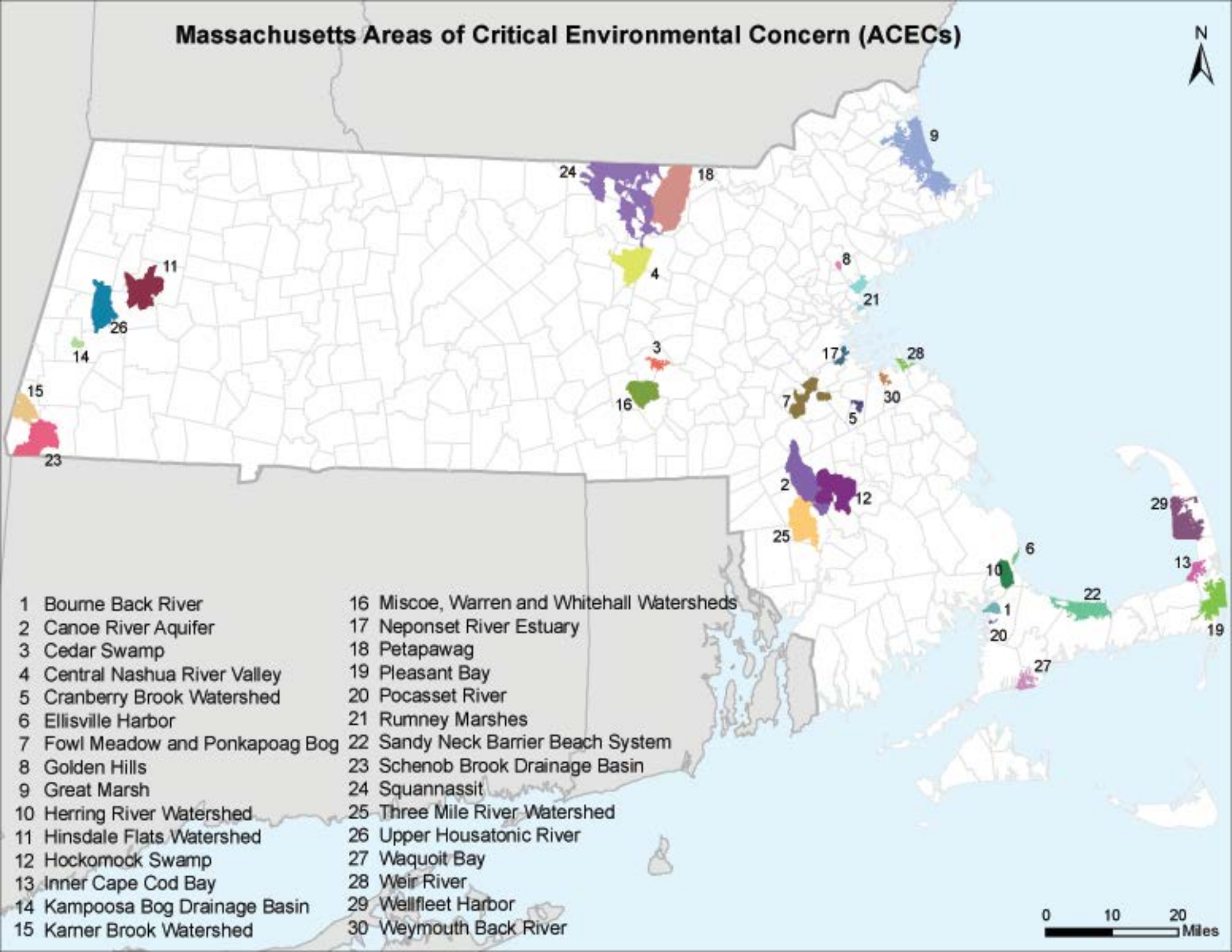
ACEC acreages above are based on MassGIS calculations and may differ from numbers originally presented in designation documents and other ACEC publications due to improvements in accuracy of GIS data and boundary clarifications. Listed acreages have been rounded to the nearest 50 or 10 depending on whether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

Towns with ACECs within their Boundaries — November 2010

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
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 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

Scanned forms and photos now available for selected towns!

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.

Home | Search | Index | Feedback | Contact

Massachusetts Cultural Resource Information System
MACRIS

MACRIS Search Results

Search Criteria: Town(s): Boston; Place: Allston; Street Name: soldiers field; Resource Type(s): Area, Building, Burial Ground, Object, Structure;

Inv. No.	Property Name	Street	Town	Year
BOS.9610	Charles River Reservation - North Beacon Street	North Beacon St	Boston	r 1920
BOS.8350	Harvard Business School - Kresge Hall	Soldiers Field Rd	Boston	1953
BOS.8351	Harvard Business School - Teele Hall	Soldiers Field Rd	Boston	c 1968
BOS.8352	Harvard Business School - Burden Hall	Soldiers Field Rd	Boston	c 1969
BOS.8353	Harvard Business School - Cumnock Hall	Soldiers Field Rd	Boston	1969
BOS.8354	Soldiers Field Park Apartments	Soldiers Field Rd	Boston	c 1974
BOS.8355	Harvard Business School - Shadd Gymnasium	Soldiers Field Rd	Boston	c 1990
BOS.8356	Harvard Business School Chapel	Soldiers Field Rd	Boston	c 1990
BOS.8357	Harvard Business School Dean's Residence	Soldiers Field Rd	Boston	1929
BOS.8358	Harvard Business School - Humphrey Hall	Soldiers Field Rd	Boston	1926
BOS.8359	Harvard Business School - McCullough Hall	Soldiers Field Rd	Boston	1926
BOS.8360	Harvard Business School - Glass Hall	Soldiers Field Rd	Boston	1926
BOS.8361	Harvard Business School - Mellon Hall	Soldiers Field Rd	Boston	1926
BOS.8362	Harvard Business School - Dillon Hall	Soldiers Field Rd	Boston	1926
BOS.8363	Harvard Business School - Chase Hall	Soldiers Field Rd	Boston	1926
BOS.8364	Harvard Business School Students Club	Soldiers Field Rd	Boston	1926
BOS.8365	Harvard Business School - Aldrich Hall	Soldiers Field Rd	Boston	1953
BOS.8366	Harvard Business School - Baker Library	Soldiers Field Rd	Boston	1927
BOS.8367	Harvard Business School - Hamilton Hall	Soldiers Field Rd	Boston	1926
BOS.8368	Harvard Business School Faculty Club	Soldiers Field Rd	Boston	1926
BOS.8369	Harvard Business School - Gallatin Hall	Soldiers Field Rd	Boston	1926
BOS.8370	Harvard Business School - Fowler Hall	Soldiers Field Rd	Boston	1926
BOS.8371	Harvard Business School - Morgan Hall	Soldiers Field Rd	Boston	1927
BOS.8372	Harvard Business School - Loeb Hall	Soldiers Field Rd	Boston	1926
BOS.8373	Harvard Business School - Morris Hall	Soldiers Field Rd	Boston	1926
BOS.8374	Harvard Business School - Sherman Hall	Soldiers Field Rd	Boston	1926
BOS.8376	Harvard University - Briggs Cage	Soldiers Field Rd	Boston	1926
BOS.8377	Harvard University - Dillon Field House	Soldiers Field Rd	Boston	1929
BOS.8378	Harvard University - Dixon, Palmer Tennis Courts	Soldiers Field Rd	Boston	r 1965
BOS.8379	Harvard University - Bright Hockey Center	Soldiers Field Rd	Boston	r 1950
BOS.8380	Harvard University Gordon Track and Tennis Center	Soldiers Field Rd	Boston	r 1950
BOS.9602	Charles River Reservation - Soldiers Field Road	Soldiers Field Rd	Boston	1899
BOS.9603	Soldiers Field Road Planted Median	Soldiers Field Rd	Boston	r 1920
BOS.9605	Soldiers Field Underpass at Western Avenue	Soldiers Field Rd	Boston	c 1954
BOS.9606	Soldiers Field Road - North Beacon Street Oval	Soldiers Field Rd	Boston	c 1958
BOS.8312	Harvard University - Newell Boat House	801-805 Soldiers Field Rd	Boston	1900
BOS.8063	Institute of Contemporary Art	1175 Soldiers Field Rd	Boston	1959
BOS.8064	Charles River Speedway Superintendent's Residence	1420-1440 Soldiers Field Rd	Boston	1899
BOS.9731	Charles River Speedway Courtyard	1420-1440 Soldiers Field Rd	Boston	1899
BOS.15893	Charles River Speedway Headquarters and Stable	1420-1440 Soldiers Field Rd	Boston	1899
BOS.15894	Metropolitan District Commission Police Station	1420-1440 Soldiers Field Rd	Boston	1904
BOS.15895	Charles River Speedway - South Shed	1420-1440 Soldiers Field Rd	Boston	1899
BOS.15896	Charles River Speedway - East Shed	1420-1440 Soldiers Field Rd	Boston	1899
BOS.15897	Charles River Speedway Garage	1420-1440 Soldiers Field Rd	Boston	c 1940
BOS.15898	Charles River Speedway Maintenance Garage	1420-1440 Soldiers Field Rd	Boston	c 1940

APPENDIX E

Endangered Species Act Documentation

United States Department of the Interior

FISH AND WILDLIFE SERVICE

New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5087
http://www.fws.gov/newengland

January 7, 2015

To Whom It May Concern:

This project was reviewed for the presence of federally listed or proposed, threatened or endangered species or critical habitat per instructions provided on the U.S. Fish and Wildlife Service's New England Field Office website:

http://www.fws.gov/newengland/EndangeredSpec-Consultation.htm (accessed January 2015)

Based on information currently available to us, no federally listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with us under section 7 of the Endangered Species Act is not required. No further Endangered Species Act coordination is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

Thank you for your cooperation. Please contact Maria Tur of this office at 603-223-2541 if we can be of further assistance.

Sincerely yours,

Thomas R. Chapman
Supervisor
New England Field Office

FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN MASSACHUSETTS

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Barnstable	Piping Plover	Threatened	Coastal Beaches	All Towns
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	All Towns
	Northeastern beach tiger beetle	Threatened	Coastal Beaches	Chatham
	Sandplain gerardia	Endangered	Open areas with sandy soils.	Sandwich and Falmouth.
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Bourne (north of the Cape Cod Canal)
	Red Knot[1]	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Berkshire	Bog Turtle	Threatened	Wetlands	Egremont and Sheffield
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Bristol	Piping Plover	Threatened	Coastal Beaches	Fairhaven, Dartmouth, Westport
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Fairhaven, New Bedford, Dartmouth, Westport
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Taunton
	Red Knot[1]	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Dukes	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	All Towns
	Piping Plover	Threatened	Coastal Beaches	All Towns
	Northeastern beach tiger beetle	Threatened	Coastal Beaches	Aquinnah and Chilmark
	Sandplain gerardia	Endangered	Open areas with sandy soils.	West Tisbury
	Red Knot[1]	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide

Updated 01/09/2015

FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN MASSACHUSETTS

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Essex	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Gloucester, Essex and Manchester
	Piping Plover	Threatened	Coastal Beaches	Gloucester, Essex, Ipswich, Rowley, Revere, Newbury, Newburyport and Salisbury
	Red Knot[1]	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Franklin	Northeastern bulrush	Endangered	Wetlands	Montague, Warwick
	Dwarf wedgemussel	Endangered	Mill River	Whately
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Hampshire	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Hadley
	Puritan tiger beetle	Threatened	Sandy beaches along the Connecticut River	Northampton and Hadley
	Dwarf wedgemussel	Endangered	Rivers and Streams.	Hatfield, Amherst and Northampton
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Hampden	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Southwick
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Middlesex	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Groton
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Nantucket	Piping Plover	Threatened	Coastal Beaches	Nantucket
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Nantucket
	American burying beetle	Endangered	Upland grassy meadows	Nantucket
	Red Knot[1]	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide

Updated 01/09/2015

FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN MASSACHUSETTS

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Plymouth	Piping Plover	Threatened	Coastal Beaches	Scituate, Marshfield, Duxbury, Plymouth, Wareham and Mattapoisett
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Kingston, Middleborough, Carver, Plymouth, Bourne, Wareham, Halifax, and Pembroke
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Plymouth, Marion, Wareham, and Mattapoisett.
	Red Knot[1]	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Suffolk	Piping Plover	Threatened	Coastal Beaches	Revere, Winthrop
	Red Knot[1]	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Worcester	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Leominster
	Northern Long-eared Bat	Proposed Endangered	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide

[1]Migratory only, scattered along the coast in small numbers

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

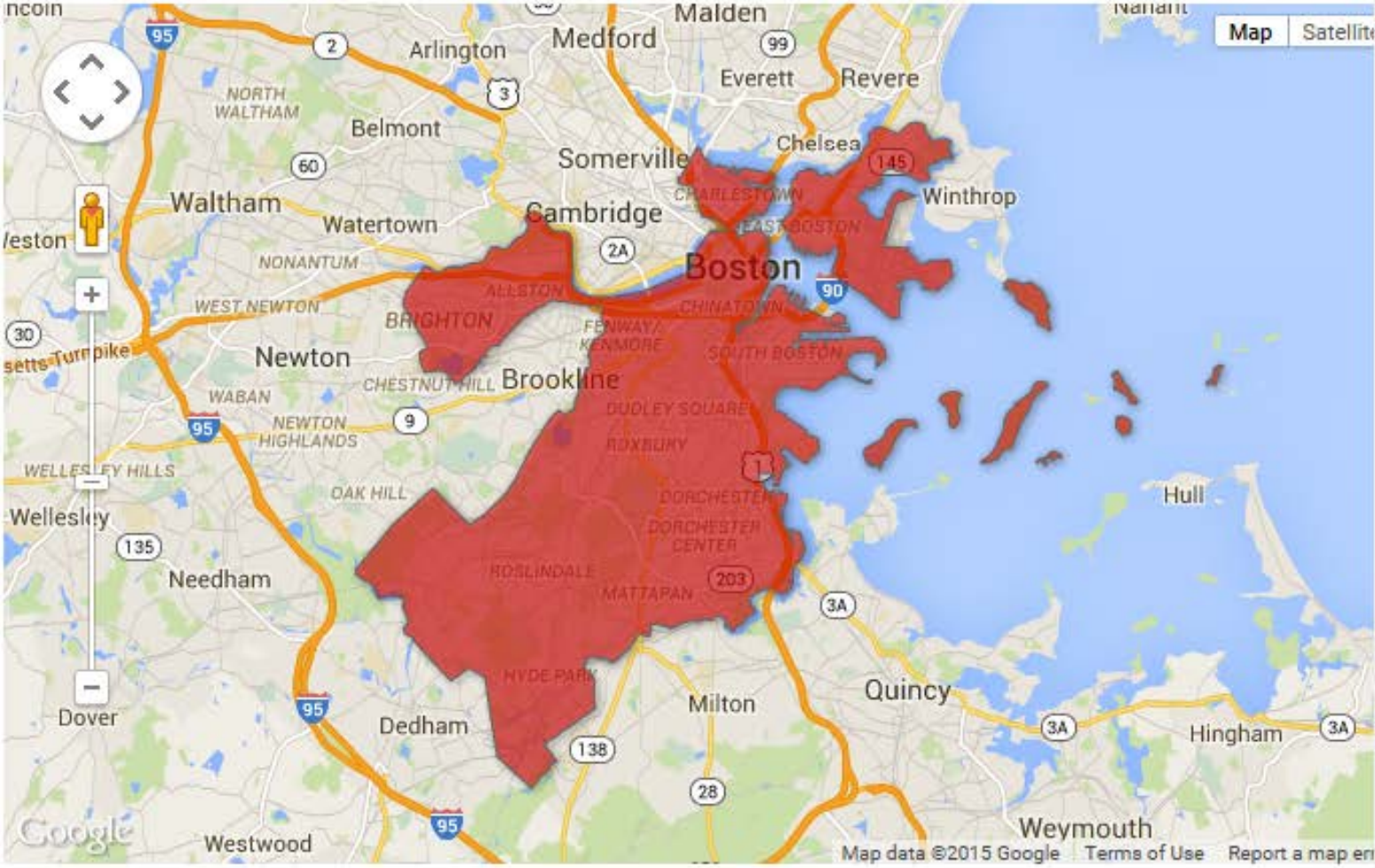
Updated 01/09/2015

Town Species Viewer

The Natural Heritage & Endangered Species Program maintains a list of all documented MESA-listed species observations in the Commonwealth. Please select a town if you would like to see a table showing which listed species have been observed in that town. The selected town will also be highlighted on the map. Alternatively you can specify either the Common Name or Scientific Name of a species to see it's distribution on the map and table showing the towns it has been observed in. Clicking on a column header in the table will sort the column. Clicking again on the same column heading will reverse the sort order.

The Town List and Species Viewer will be updated at regular intervals as new data is accepted and entered into the NHESP database.

Town: BOSTON or Species (Common Name): or Species (Scientific Name):



Showing 1 to 46 of 46 entries Search:

Showing 1 to 46 of 46 entries

Search:

First Previous 1 Next Last

Town	Taxonomic Group	Scientific Name	Common Name	MESA Status	Most Recent Obs
BOSTON	Butterfly/Moth	Abagrotis nefascia	Coastal Heathland Cutworm	SC	2001
BOSTON	Bird	Accipiter striatus	Sharp-shinned Hawk	SC	1898
BOSTON	Vascular Plant	Ageratina aromatica	Lesser Snakeroot	E	1896
BOSTON	Amphibian	Ambystoma laterale	Blue-spotted Salamander	SC	2013
BOSTON	Bird	Ammodramus savannarum	Grasshopper Sparrow	T	1993
BOSTON	Butterfly/Moth	Apodrepanulatrix liberaria	New Jersey Tea Inchworm	E	Historic
BOSTON	Vascular Plant	Aristida purpurascens	Purple Needlegrass	T	Historic
BOSTON	Vascular Plant	Aristida tuberculosa	Seabeach Needlegrass	T	1877
BOSTON	Vascular Plant	Asclepias verticillata	Linear-leaved Milkweed	T	1878
BOSTON	Bird	Bartramia longicauda	Upland Sandpiper	E	1993
BOSTON	Vascular Plant	Boechera missouriensis	Green Rock-cress	T	1930
BOSTON	Vascular Plant	Carex striata	Walter's Sedge	E	Historic
BOSTON	Bird	Charadrius melodus	Piping Plover	T	2011
BOSTON	Beetle	Cicindela duodecimguttata	Twelve-spotted Tiger Beetle	SC	1910
BOSTON	Beetle	Cicindela purpurea	Cow Path Tiger Beetle	SC	1928
BOSTON	Beetle	Cicindela rufiventris hentzii	Eastern Red-bellied Tiger Beetle	T	1927
BOSTON	Vascular Plant	Desmodium cuspidatum	Large-bracted Tick-trefoil	T	1896
BOSTON	Vascular Plant	Eriophorum gracile	Slender Cottongrass	T	1885
BOSTON	Bird	Falco peregrinus	Peregrine Falcon	E	2013
BOSTON	Fish	Gasterosteus aculeatus	Threespine Stickleback	T	2014
BOSTON	Bird	Gavia immer	Common Loon	SC	1824
BOSTON	Vascular Plant	Houstonia longifolia	Long-leaved Bluet	E	1918
BOSTON	Vascular Plant	Liatris scariosa var. novae-angliae	New England Blazing Star	SC	1933
BOSTON	Mussel	Ligumia nasuta	Eastern Pondmussel	SC	1841
BOSTON	Vascular Plant	Linum medium var. texanum	Rigid Flax	T	1909
BOSTON	Vascular Plant	Lycopus rubellus	Gypsywort	E	1896
BOSTON	Butterfly/Moth	Metarranthis apiciaria	Barrens Metarranthis	E	1934
BOSTON	Vascular Plant	Myriophyllum alterniflorum	Alternate-flowered Water-milfoil	E	Historic
BOSTON	Vascular Plant	Ophioglossum pusillum	Adder's-tongue Fern	T	1884
BOSTON	Vascular Plant	Platanthera flava var. herbiola	Pale Green Orchis	T	1908
BOSTON	Bird	Pooecetes gramineus	Vesper Sparrow	T	1985
BOSTON	Butterfly/Moth	Pyrrhia aurantiago	Orange Sallow Moth	SC	1988
BOSTON	Vascular Plant	Ranunculus micranthus	Tiny-flowered Buttercup	E	1891
BOSTON	Vascular Plant	Rumex pallidus	Seabeach Dock	T	1984
BOSTON	Vascular Plant	Sanicula odorata	Long-styled Sanicle	T	Historic
BOSTON	Amphibian	Scaphiopus holbrookii	Eastern Spadefoot	T	1932
BOSTON	Vascular Plant	Scirpus longii	Long's Bulrush	T	1907
BOSTON	Vascular Plant	Setaria parviflora	Bristly Foxtail	SC	2001
BOSTON	Dragonfly/Damselfly	Somatochlora linearis	Mocha Emerald	SC	2009

BOSTON Bird	Sterna hirundo	Common Tern	SC	2012
BOSTON Bird	Sternula antillarum	Least Tern	SC	2012
BOSTON Vascular Plant	Suaeda calceoliformis	American Sea-blite	SC	1909
BOSTON Reptile	Terrapene carolina	Eastern Box Turtle	SC	1939
BOSTON Bird	Tyto alba	Barn Owl	SC	1989
BOSTON Bird	Vermivora chrysoptera	Golden-winged Warbler	E	Historic
BOSTON Vascular Plant	Viola brittoniana	Britton's Violet	T	1909

MassDEP - Bureau of Waste Site Cleanup

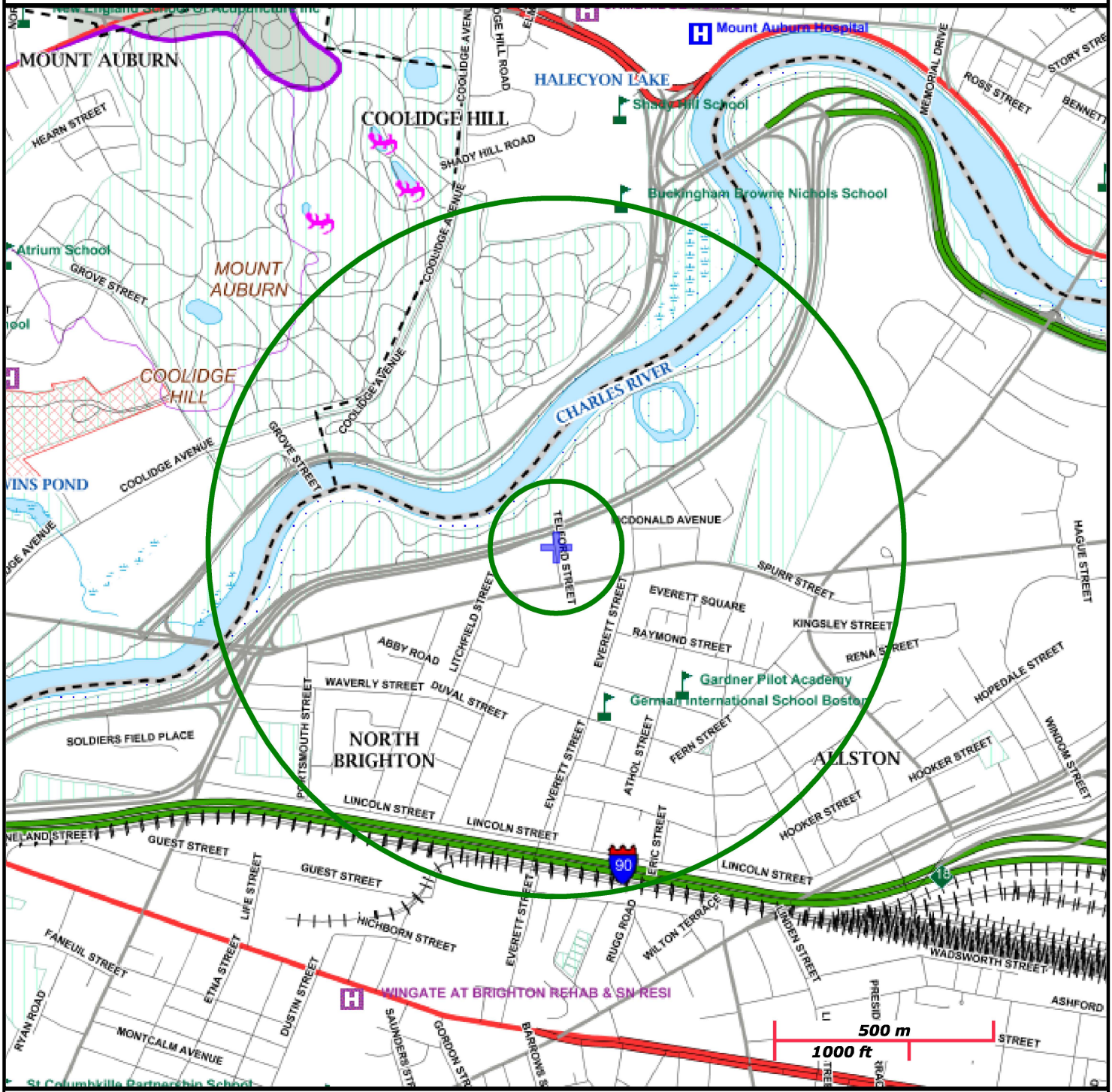
Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii

Site Information:
TELFORD STREET CONDOMINIUMS
TELFORD STREET BOSTON, MA
3-000027871

NAD83 UTM Meters:
4692373mN , 323985mE (Zone: 19)
April 5, 2016

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at: http://www.mass.gov/mgis/.

MassDEP
Commonwealth of Massachusetts
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam

Aquifers: Medium Yield, High Yield, EPA Sole Source

Non Potential Drinking Water Source Area: Medium, High (Yield)

PWS Protection Areas: Zone II, IWPA, Zone A

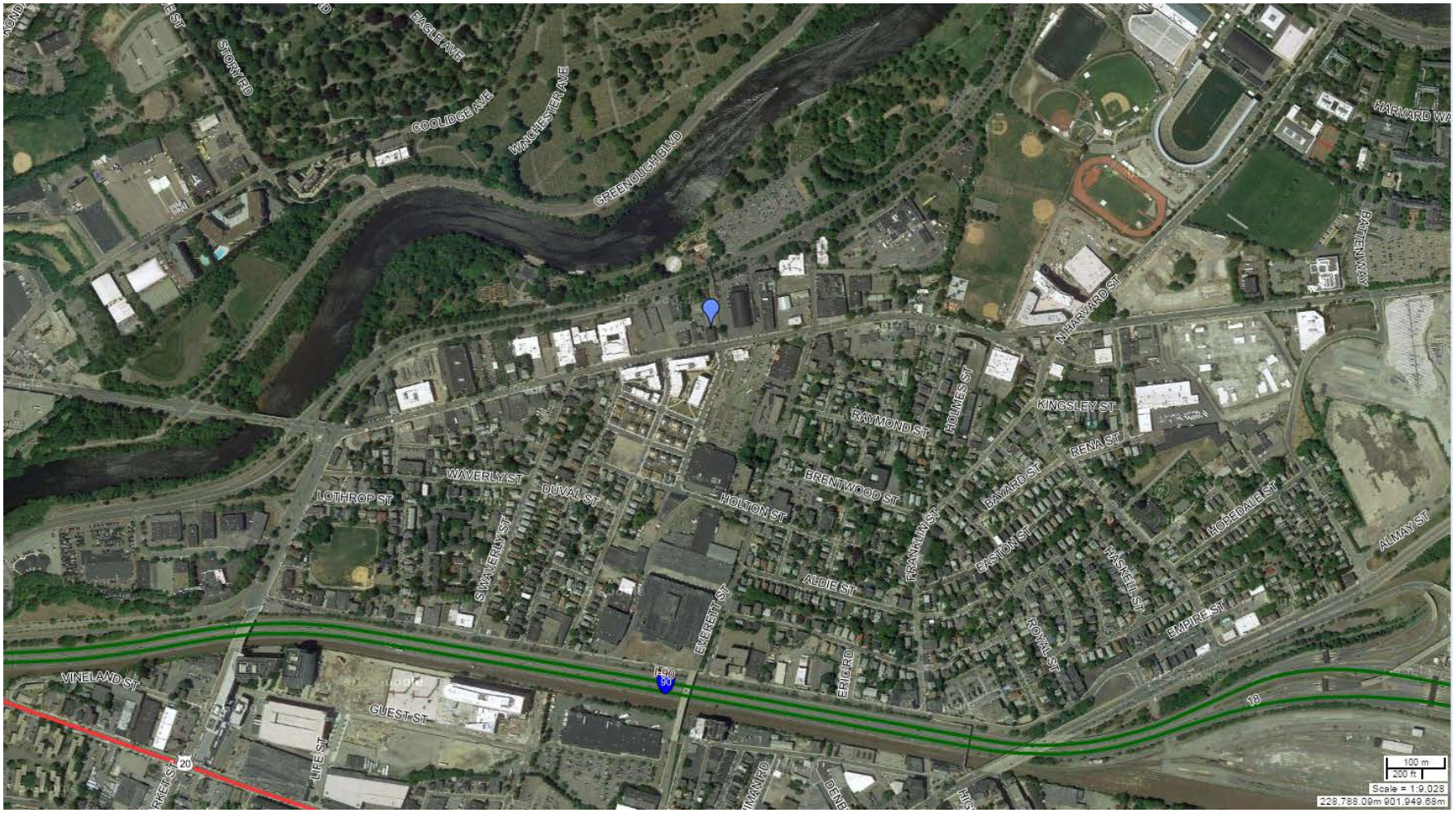
Hydrography: Open Water, PWS Reservoir, Tidal Flat

Wetlands: Freshwater, Saltwater, Cranberry Bog

FEMA 100yr Floodplain; Protected Open Space; ACEC

Est. Rare Wetland Wildlife Hab; Vernal Pool: Cert., Potential

Solid Waste Landfill; PWS: Com.GW,SW, Emerg., Non-Com.



http://maps.massgis.state.ma.us/map_ol/

APPENDIX F

Laboratory Data Report

ANALYTICAL REPORT

Lab Number:	L1604613
Client:	Haley & Aldrich, Inc. 465 Medford Street, Suite 2200 Charlestown, MA 02129-1400
ATTN:	Douglas Lindsay
Phone:	(617) 886-7580
Project Name:	TELFORD STREET CONDOMINIUMS
Project Number:	42907-003
Report Date:	02/29/16

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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

Project Name: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003

Lab Number: L1604613
Report Date: 02/29/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1604613-01	HA2-OW	WATER	Not Specified	02/19/16 13:00	02/19/16
L1604613-02	TRIP BLANKS	WATER	Not Specified	02/19/16 13:00	02/19/16

Project Name:	TELFORD STREET CONDOMINIUMS	**Lab Number:**	L1604613
Project Number:	42907-003	**Report Date:**	02/29/16

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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. 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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	TELFORD STREET CONDOMINIUMS	**Lab Number:**	L1604613
Project Number:	42907-003	**Report Date:**	02/29/16

Case Narrative (continued)

PCBs

WG868181: An LCS/LCSD was performed in lieu of a Matrix Spike and Laboratory Duplicate due to insufficient sample volume available for analysis.

Solids, Total Suspended

WG867463: A laboratory duplicate was prepared with the sample batch, however, analysis of the native sample was removed to be re-prepped; therefore, the duplicate result could not be 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: Michelle M. Morris

Title: Technical Director/Representative Date: 02/29/16

ORGANICS

VOLATILES

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

SAMPLE RESULTS

Lab ID: L1604613-01
Client ID: HA2-OW
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/29/16 13:16
Analyst: MM

Date Collected: 02/19/16 13:00
Date Received: 02/19/16
Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
1,2-Dichloroethene, Total	ND		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

SAMPLE RESULTS

Lab ID: L1604613-01 Date Collected: 02/19/16 13:00

Client ID: HA2-OW Date Received: 02/19/16

Sample Location: Not Specified Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,4-Dichlorobutane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

SAMPLE RESULTS

Lab ID: L1604613-01 Date Collected: 02/19/16 13:00

Client ID: HA2-OW Date Received: 02/19/16

Sample Location: Not Specified Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	105		70-130

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

SAMPLE RESULTS

Lab ID:	L1604613-01	Date Collected:	02/19/16 13:00
Client ID:	HA2-OW	Date Received:	02/19/16
Sample Location:	Not Specified	Field Prep:	Field Filtered (Metals)
Matrix:	Water		
Analytical Method:	1,8260C-SIM(M)		
Analytical Date:	02/29/16 13:24		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	--	1

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

SAMPLE RESULTS

Lab ID:	L1604613-01	Date Collected:	02/19/16 13:00
Client ID:	HA2-OW	Date Received:	02/19/16
Sample Location:	Not Specified	Field Prep:	Field Filtered (Metals)
Matrix:	Water	Extraction Method:	EPA 8011
Analytical Method:	14,504.1	Extraction Date:	02/24/16 16:41
Analytical Date:	02/24/16 21:31		
Analyst:	NS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Microextractables by GC - Westborough Lab							
1,2-Dibromoethane	ND		ug/l	0.011	--	1	A

Project Name: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003
Lab Number: L1604613
Report Date: 02/29/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 14,504.1
Analytical Date: 02/24/16 20:39
Analyst: NS

Extraction Method: EPA 8011
Extraction Date: 02/24/16 16:42

Parameter	Result	Qualifier	Units	RL	MDL	
Microextractables by GC - Westborough Lab for sample(s): 01 Batch: WG868034-1						
1,2-Dibromoethane	ND		ug/l	0.010	--	A

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 02/29/16 11:56
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG869327-3					
1,4-Dioxane	ND		ug/l	3.0	--

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/29/16 11:33
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG869329-3					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--
Trichloroethene	ND		ug/l	0.50	--

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/29/16 11:33
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG869329-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,4-Dichlorobutane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Ethyl methacrylate	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/29/16 11:33
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG869329-3					
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Microextractables by GC - Westborough Lab	Associated sample(s): 01		Batch: WG868034-2						
1,2-Dibromoethane	103		-		70-130	-		20	A
1,2-Dibromo-3-chloropropane	97		-		70-130	-		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG869327-1 WG869327-2								
1,4-Dioxane	96		121		70-130	23		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

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: WG869329-1 WG869329-2								
Methylene chloride	95		95		70-130	0		20
1,1-Dichloroethane	88		89		70-130	1		20
Chloroform	92		91		70-130	1		20
Carbon tetrachloride	93		93		63-132	0		20
1,2-Dichloropropane	90		89		70-130	1		20
Dibromochloromethane	93		94		63-130	1		20
1,1,2-Trichloroethane	93		95		70-130	2		20
Tetrachloroethene	102		100		70-130	2		20
Chlorobenzene	94		94		75-130	0		25
Trichlorofluoromethane	95		97		62-150	2		20
1,2-Dichloroethane	85		86		70-130	1		20
1,1,1-Trichloroethane	91		92		67-130	1		20
Bromodichloromethane	90		93		67-130	3		20
trans-1,3-Dichloropropene	88		88		70-130	0		20
cis-1,3-Dichloropropene	86		85		70-130	1		20
1,1-Dichloropropene	90		89		70-130	1		20
Bromoform	92		94		54-136	2		20
1,1,2,2-Tetrachloroethane	89		91		67-130	2		20
Benzene	91		93		70-130	2		25
Toluene	86		86		70-130	0		25
Ethylbenzene	92		93		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

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: WG869329-1 WG869329-2								
Chloromethane	86		85		64-130	1		20
Bromomethane	98		92		39-139	6		20
Vinyl chloride	83		82		55-140	1		20
Chloroethane	86		85		55-138	1		20
1,1-Dichloroethene	96		96		61-145	0		25
trans-1,2-Dichloroethene	95		95		70-130	0		20
Trichloroethene	94		94		70-130	0		25
1,2-Dichlorobenzene	94		95		70-130	1		20
1,3-Dichlorobenzene	95		96		70-130	1		20
1,4-Dichlorobenzene	94		95		70-130	1		20
Methyl tert butyl ether	90		90		63-130	0		20
p/m-Xylene	97		97		70-130	0		20
o-Xylene	96		95		70-130	1		20
cis-1,2-Dichloroethene	96		96		70-130	0		20
Dibromomethane	94		96		70-130	2		20
1,4-Dichlorobutane	80		83		70-130	4		20
1,2,3-Trichloropropane	85		88		64-130	3		20
Styrene	99		99		70-130	0		20
Dichlorodifluoromethane	91		90		36-147	1		20
Acetone	82		91		58-148	10		20
Carbon disulfide	90		90		51-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

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: WG869329-1 WG869329-2								
2-Butanone	86		92		63-138	7		20
Vinyl acetate	86		87		70-130	1		20
4-Methyl-2-pentanone	80		83		59-130	4		20
2-Hexanone	74		76		57-130	3		20
Ethyl methacrylate	78		79		70-130	1		20
Acrylonitrile	91		93		70-130	2		20
Bromochloromethane	112		111		70-130	1		20
Tetrahydrofuran	80		86		58-130	7		20
2,2-Dichloropropane	94		93		63-133	1		20
1,2-Dibromoethane	95		97		70-130	2		20
1,3-Dichloropropane	88		90		70-130	2		20
1,1,1,2-Tetrachloroethane	97		97		64-130	0		20
Bromobenzene	94		94		70-130	0		20
n-Butylbenzene	89		87		53-136	2		20
sec-Butylbenzene	92		91		70-130	1		20
tert-Butylbenzene	91		90		70-130	1		20
o-Chlorotoluene	88		87		70-130	1		20
p-Chlorotoluene	88		89		70-130	1		20
1,2-Dibromo-3-chloropropane	88		90		41-144	2		20
Hexachlorobutadiene	101		96		63-130	5		20
Isopropylbenzene	90		90		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

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: WG869329-1 WG869329-2								
p-Isopropyltoluene	92		91		70-130	1		20
Naphthalene	90		92		70-130	2		20
n-Propylbenzene	90		89		69-130	1		20
1,2,3-Trichlorobenzene	94		95		70-130	1		20
1,2,4-Trichlorobenzene	92		91		70-130	1		20
1,3,5-Trimethylbenzene	91		91		64-130	0		20
1,2,4-Trimethylbenzene	92		92		70-130	0		20
trans-1,4-Dichloro-2-butene	74		75		70-130	1		20
Ethyl ether	94		94		59-134	0		20
Tert-Butyl Alcohol	105		**139**	Q	70-130	**28**	Q	20
Tertiary-Amyl Methyl Ether	87		88		66-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		90		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		100		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Microextractables by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG868034-3 QC Sample: L1604613-01 Client ID: HA2-OW													
1,2-Dibromoethane	ND	0.256	0.270	105		-	-		70-130	-		20	A
1,2-Dibromo-3-chloropropane	ND	0.256	0.246	96		-	-		70-130	-		20	A

SEMIVOLATILES

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

SAMPLE RESULTS

Lab ID: L1604613-01
Client ID: HA2-OW
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 02/25/16 10:14
Analyst: RC

Date Collected: 02/19/16 13:00
Date Received: 02/19/16
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 02/24/16 11:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
Bis(2-ethylhexyl)phthalate	12		ug/l	3.0	--	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	2.0	--	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	5.0	--	1
Dibenzofuran	2.5		ug/l	2.0	--	1

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

SAMPLE RESULTS

Lab ID: L1604613-01 Date Collected: 02/19/16 13:00

Client ID: HA2-OW Date Received: 02/19/16

Sample Location: Not Specified Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	12		ug/l	5.0	--	1
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	13		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	9.3		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzoic Acid	57		ug/l	50	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Pyridine	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	96		41-149

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

SAMPLE RESULTS

Lab ID: L1604613-01
Client ID: HA2-OW
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 02/25/16 09:28
Analyst: KV

Date Collected: 02/19/16 13:00
Date Received: 02/19/16
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 02/24/16 11:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	5.0		ug/l	0.10	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	3.1		ug/l	0.20	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	1.4		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	0.94		ug/l	0.20	--	1
Benzo(ghi)perylene	ND		ug/l	0.20	--	1
Fluorene	3.8		ug/l	0.20	--	1
Phenanthrene	12		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	1.8		ug/l	0.20	--	1
1-Methylnaphthalene	0.65		ug/l	0.20	--	1
2-Methylnaphthalene	0.59		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: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

SAMPLE RESULTS

Lab ID: L1604613-01 Date Collected: 02/19/16 13:00

Client ID: HA2-OW Date Received: 02/19/16

Sample Location: Not Specified Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	**123**	Q	23-120
2-Fluorobiphenyl	116		15-120
2,4,6-Tribromophenol	**126**	Q	10-120
4-Terphenyl-d14	132		41-149

Project Name: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003
Lab Number: L1604613
Report Date: 02/29/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/25/16 09:46
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 02/24/16 11:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG867936-1					
Acenaphthene	ND		ug/l	0.10	--
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: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003
Lab Number: L1604613
Report Date: 02/29/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/25/16 09:46
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 02/24/16 11:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG867936-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	98		41-149

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/25/16 08:50
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 02/24/16 11:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG867938-1					
Acenaphthene	ND		ug/l	2.0	--
Benzidine	ND		ug/l	20	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Hexachlorobenzene	ND		ug/l	2.0	--
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--
2-Chloronaphthalene	ND		ug/l	2.0	--
1,2-Dichlorobenzene	ND		ug/l	2.0	--
1,3-Dichlorobenzene	ND		ug/l	2.0	--
1,4-Dichlorobenzene	ND		ug/l	2.0	--
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--
2,4-Dinitrotoluene	ND		ug/l	5.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	2.0	--
Fluoranthene	ND		ug/l	2.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorobutadiene	ND		ug/l	2.0	--
Hexachlorocyclopentadiene	ND		ug/l	20	--
Hexachloroethane	ND		ug/l	2.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	2.0	--
Nitrobenzene	ND		ug/l	2.0	--
NDPA/DPA	ND		ug/l	2.0	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/25/16 08:50
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 02/24/16 11:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG867938-1					
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--
Dimethyl phthalate	ND		ug/l	5.0	--
Benzo(a)anthracene	ND		ug/l	2.0	--
Benzo(a)pyrene	ND		ug/l	2.0	--
Benzo(b)fluoranthene	ND		ug/l	2.0	--
Benzo(k)fluoranthene	ND		ug/l	2.0	--
Chrysene	ND		ug/l	2.0	--
Acenaphthylene	ND		ug/l	2.0	--
Anthracene	ND		ug/l	2.0	--
Benzo(ghi)perylene	ND		ug/l	2.0	--
Fluorene	ND		ug/l	2.0	--
Phenanthrene	ND		ug/l	2.0	--
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	--
Pyrene	ND		ug/l	2.0	--
Biphenyl	ND		ug/l	2.0	--
Aniline	ND		ug/l	2.0	--
4-Chloroaniline	ND		ug/l	5.0	--
1-Methylnaphthalene	ND		ug/l	2.0	--
2-Nitroaniline	ND		ug/l	5.0	--
3-Nitroaniline	ND		ug/l	5.0	--
4-Nitroaniline	ND		ug/l	5.0	--
Dibenzofuran	ND		ug/l	2.0	--
2-Methylnaphthalene	ND		ug/l	2.0	--
n-Nitrosodimethylamine	ND		ug/l	2.0	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
p-Chloro-m-cresol	ND		ug/l	2.0	--
2-Chlorophenol	ND		ug/l	2.0	--

Project Name: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003
Lab Number: L1604613
Report Date: 02/29/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/25/16 08:50
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 02/24/16 11:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG867938-1					
2,4-Dichlorophenol	ND		ug/l	5.0	--
2,4-Dimethylphenol	ND		ug/l	5.0	--
2-Nitrophenol	ND		ug/l	10	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	20	--
4,6-Dinitro-o-cresol	ND		ug/l	10	--
Pentachlorophenol	ND		ug/l	10	--
Phenol	ND		ug/l	5.0	--
2-Methylphenol	ND		ug/l	5.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzoic Acid	ND		ug/l	50	--
Benzyl Alcohol	ND		ug/l	2.0	--
Carbazole	ND		ug/l	2.0	--
Pyridine	ND		ug/l	5.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	91		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

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: WG867936-2 WG867936-3								
Acenaphthene	96		92		37-111	4		40
2-Chloronaphthalene	93		90		40-140	3		40
Fluoranthene	101		102		40-140	1		40
Hexachlorobutadiene	89		86		40-140	3		40
Naphthalene	88		86		40-140	2		40
Benzo(a)anthracene	111		103		40-140	7		40
Benzo(a)pyrene	120		112		40-140	7		40
Benzo(b)fluoranthene	109		104		40-140	5		40
Benzo(k)fluoranthene	105		96		40-140	9		40
Chrysene	104		99		40-140	5		40
Acenaphthylene	98		97		40-140	1		40
Anthracene	102		99		40-140	3		40
Benzo(ghi)perylene	109		102		40-140	7		40
Fluorene	98		97		40-140	1		40
Phenanthrene	98		96		40-140	2		40
Dibenzo(a,h)anthracene	115		107		40-140	7		40
Indeno(1,2,3-cd)Pyrene	114		104		40-140	9		40
Pyrene	94		95		26-127	1		40
1-Methylnaphthalene	94		92		40-140	2		40
2-Methylnaphthalene	91		91		40-140	0		40
Pentachlorophenol	102		98		9-103	4		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

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: WG867936-2 WG867936-3								
Hexachlorobenzene	104		102		40-140	2		40
Hexachloroethane	92		92		40-140	0		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	54		52		21-120
Phenol-d6	38		39		10-120
Nitrobenzene-d5	93		89		23-120
2-Fluorobiphenyl	99		98		15-120
2,4,6-Tribromophenol	100		95		10-120
4-Terphenyl-d14	97		98		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003

Lab Number: L1604613
Report Date: 02/29/16

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: WG867938-2 WG867938-3								
Acenaphthene	78		83		37-111	6		30
Benzidine	60		63		10-75	5		30
1,2,4-Trichlorobenzene	66		70		39-98	6		30
Hexachlorobenzene	89		94		40-140	5		30
Bis(2-chloroethyl)ether	73		72		40-140	1		30
2-Chloronaphthalene	80		84		40-140	5		30
1,2-Dichlorobenzene	61		61		40-140	0		30
1,3-Dichlorobenzene	57		58		40-140	2		30
1,4-Dichlorobenzene	58		59		36-97	2		30
3,3'-Dichlorobenzidine	86		89		40-140	3		30
2,4-Dinitrotoluene	95		**101**	Q	24-96	6		30
2,6-Dinitrotoluene	101		106		40-140	5		30
Azobenzene	89		95		40-140	7		30
Fluoranthene	97		103		40-140	6		30
4-Chlorophenyl phenyl ether	85		91		40-140	7		30
4-Bromophenyl phenyl ether	96		102		40-140	6		30
Bis(2-chloroisopropyl)ether	74		74		40-140	0		30
Bis(2-chloroethoxy)methane	82		83		40-140	1		30
Hexachlorobutadiene	62		66		40-140	6		30
Hexachlorocyclopentadiene	60		68		40-140	13		30
Hexachloroethane	57		58		40-140	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

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: WG867938-2 WG867938-3								
Isophorone	95		97		40-140	2		30
Naphthalene	70		73		40-140	4		30
Nitrobenzene	90		91		40-140	1		30
NDPA/DPA	94		99		40-140	5		30
n-Nitrosodi-n-propylamine	84		84		29-132	0		30
Bis(2-ethylhexyl)phthalate	97		104		40-140	7		30
Butyl benzyl phthalate	93		97		40-140	4		30
Di-n-butylphthalate	78		83		40-140	6		30
Di-n-octylphthalate	104		109		40-140	5		30
Diethyl phthalate	100		105		40-140	5		30
Dimethyl phthalate	96		101		40-140	5		30
Benzo(a)anthracene	99		105		40-140	6		30
Benzo(a)pyrene	85		90		40-140	6		30
Benzo(b)fluoranthene	97		101		40-140	4		30
Benzo(k)fluoranthene	74		78		40-140	5		30
Chrysene	86		91		40-140	6		30
Acenaphthylene	91		96		45-123	5		30
Anthracene	96		101		40-140	5		30
Benzo(ghi)perylene	80		85		40-140	6		30
Fluorene	88		94		40-140	7		30
Phenanthrene	85		90		40-140	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

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: WG867938-2 WG867938-3								
Dibenzo(a,h)anthracene	83		88		40-140	6		30
Indeno(1,2,3-cd)pyrene	95		100		40-140	5		30
Pyrene	92		97		26-127	5		30
Biphenyl	75		81		40-140	8		30
Aniline	51		56		40-140	9		30
4-Chloroaniline	79		83		40-140	5		30
1-Methylnaphthalene	75		81		41-103	8		30
2-Nitroaniline	104		110		52-143	6		30
3-Nitroaniline	81		86		25-145	6		30
4-Nitroaniline	92		98		51-143	6		30
Dibenzofuran	80		85		40-140	6		30
2-Methylnaphthalene	78		83		40-140	6		30
n-Nitrosodimethylamine	40		38		22-74	5		30
2,4,6-Trichlorophenol	94		99		30-130	5		30
p-Chloro-m-cresol	97		**102**	Q	23-97	5		30
2-Chlorophenol	81		80		27-123	1		30
2,4-Dichlorophenol	98		101		30-130	3		30
2,4-Dimethylphenol	92		94		30-130	2		30
2-Nitrophenol	95		96		30-130	1		30
4-Nitrophenol	56		59		10-80	5		30
2,4-Dinitrophenol	102		110		20-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

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: WG867938-2 WG867938-3								
4,6-Dinitro-o-cresol	100		108		20-164	8		30
Pentachlorophenol	100		**105**	Q	9-103	5		30
Phenol	41		41		12-110	0		30
2-Methylphenol	82		83		30-130	1		30
3-Methylphenol/4-Methylphenol	79		80		30-130	1		30
2,4,5-Trichlorophenol	103		106		30-130	3		30
Benzoic Acid	41		40		10-164	2		30
Benzyl Alcohol	81		82		26-116	1		30
Carbazole	95		101		55-144	6		30
Pyridine	20		21		10-66	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		55		21-120
Phenol-d6	40		40		10-120
Nitrobenzene-d5	94		95		23-120
2-Fluorobiphenyl	91		94		15-120
2,4,6-Tribromophenol	90		95		10-120
4-Terphenyl-d14	101		107		41-149

PCBS

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

SAMPLE RESULTS

Lab ID:	L1604613-01	Date Collected:	02/19/16 13:00
Client ID:	HA2-OW	Date Received:	02/19/16
Sample Location:	Not Specified	Field Prep:	Field Filtered (Metals)
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	02/25/16 06:17
Analytical Date:	02/25/16 12:27	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	02/25/16
		Cleanup Method:	EPA 3660B
		Cleanup Date:	02/25/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.200	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	103		30-150	A

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,608
Analytical Date: 02/25/16 11:49
Analyst: JW

Extraction Method: EPA 608
Extraction Date: 02/25/16 06:17
Cleanup Method: EPA 3665A
Cleanup Date: 02/25/16
Cleanup Method: EPA 3660B
Cleanup Date: 02/25/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG868181-1						
Aroclor 1016	ND		ug/l	0.250	--	A
Aroclor 1221	ND		ug/l	0.250	--	A
Aroclor 1232	ND		ug/l	0.250	--	A
Aroclor 1242	ND		ug/l	0.250	--	A
Aroclor 1248	ND		ug/l	0.250	--	A
Aroclor 1254	ND		ug/l	0.250	--	A
Aroclor 1260	ND		ug/l	0.200	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	107		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG868181-2 WG868181-3									
Aroclor 1016	79		84		40-140	6		50	A
Aroclor 1260	68		65		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		84		30-150	A
Decachlorobiphenyl	102		101		30-150	A

METALS

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

SAMPLE RESULTS

Lab ID: L1604613-01 Date Collected: 02/19/16 13:00

Client ID: HA2-OW Date Received: 02/19/16

Sample Location: Not Specified Field Prep: Field Filtered (Metals)

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	0.00300	--	1	02/22/16 09:05	02/23/16 19:56	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00117		mg/l	0.00050	--	1	02/22/16 09:05	02/23/16 19:56	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	--	1	02/22/16 09:05	02/23/16 19:56	EPA 3005A	1,6020A	BM
Chromium, Total	0.00291		mg/l	0.00100	--	1	02/22/16 09:05	02/23/16 19:56	EPA 3005A	1,6020A	BM
Copper, Total	0.01370		mg/l	0.00100	--	1	02/22/16 09:05	02/23/16 19:56	EPA 3005A	1,6020A	BM
Iron, Total	0.34		mg/l	0.05	--	1	02/22/16 09:05	02/24/16 18:10	EPA 3005A	19,200.7	PS
Lead, Total	ND		mg/l	0.00100	--	1	02/22/16 09:05	02/23/16 19:56	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	--	1	02/23/16 10:00	02/25/16 01:03	EPA 245.1	3,245.1	EA
Nickel, Total	0.00498		mg/l	0.00200	--	1	02/22/16 09:05	02/23/16 19:56	EPA 3005A	1,6020A	BM
Selenium, Total	0.0324		mg/l	0.00500	--	1	02/22/16 09:05	02/23/16 19:56	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	--	1	02/22/16 09:05	02/23/16 19:56	EPA 3005A	1,6020A	BM
Zinc, Total	0.01848		mg/l	0.01000	--	1	02/22/16 09:05	02/24/16 11:38	EPA 3005A	1,6020A	KL
Dissolved Metals - Westborough Lab											
Antimony, Dissolved	0.00294		mg/l	0.00200	--	1	02/23/16 11:35	02/24/16 13:59	EPA 3005A	1,6020A	KL
Arsenic, Dissolved	0.00107		mg/l	0.00050	--	1	02/23/16 11:35	02/24/16 13:59	EPA 3005A	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	--	1	02/23/16 11:35	02/24/16 13:59	EPA 3005A	1,6020A	KL
Chromium, Dissolved	0.00214		mg/l	0.00200	--	1	02/23/16 11:35	02/24/16 13:59	EPA 3005A	1,6020A	KL
Copper, Dissolved	0.01012		mg/l	0.00100	--	1	02/23/16 11:35	02/24/16 13:59	EPA 3005A	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.05	--	1	02/23/16 13:05	02/24/16 16:16	EPA 3005A	19,200.7	PS
Lead, Dissolved	ND		mg/l	0.00100	--	1	02/23/16 11:35	02/24/16 13:59	EPA 3005A	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	--	1	02/23/16 10:00	02/25/16 00:41	EPA 245.1	3,245.1	EA
Nickel, Dissolved	0.00288		mg/l	0.00200	--	1	02/23/16 11:35	02/24/16 13:59	EPA 3005A	1,6020A	KL
Selenium, Dissolved	0.0322		mg/l	0.00500	--	1	02/23/16 11:35	02/24/16 13:59	EPA 3005A	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	--	1	02/23/16 11:35	02/24/16 13:59	EPA 3005A	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.01000	--	1	02/23/16 11:35	02/24/16 13:59	EPA 3005A	1,6020A	KL

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

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: WG867201-1										
Antimony, Total	ND		mg/l	0.00300	--	1	02/22/16 09:05	02/23/16 18:24	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	--	1	02/22/16 09:05	02/23/16 18:24	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	--	1	02/22/16 09:05	02/23/16 18:24	1,6020A	BM
Chromium, Total	ND		mg/l	0.00100	--	1	02/22/16 09:05	02/23/16 18:24	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	--	1	02/22/16 09:05	02/23/16 18:24	1,6020A	BM
Lead, Total	ND		mg/l	0.00050	--	1	02/22/16 09:05	02/23/16 18:24	1,6020A	BM
Nickel, Total	ND		mg/l	0.00200	--	1	02/22/16 09:05	02/23/16 18:24	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	--	1	02/22/16 09:05	02/23/16 18:24	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	--	1	02/22/16 09:05	02/23/16 18:24	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	--	1	02/22/16 09:05	02/23/16 18:24	1,6020A	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: WG867526-1										
Iron, Total	ND		mg/l	0.05	--	1	02/22/16 09:05	02/24/16 17:07	19,200.7	PS

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG867535-1										
Mercury, Dissolved	ND		mg/l	0.00020	--	1	02/23/16 10:00	02/25/16 00:37	3,245.1	EA

Prep Information

Digestion Method: EPA 245.1

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

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: WG867537-1										
Mercury, Total	ND		mg/l	0.00020	--	1	02/23/16 10:00	02/25/16 01:00	3,245.1	EA

Prep Information

Digestion Method: EPA 245.1

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG867577-1										
Iron, Dissolved	ND		mg/l	0.05	--	1	02/23/16 13:05	02/24/16 16:12	19,200.7	PS

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01 Batch: WG867578-1										
Antimony, Dissolved	ND		mg/l	0.00200	--	1	02/23/16 11:35	02/24/16 12:55	1,6020A	KL
Arsenic, Dissolved	ND		mg/l	0.00050	--	1	02/23/16 11:35	02/24/16 12:55	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	--	1	02/23/16 11:35	02/24/16 12:55	1,6020A	KL
Chromium, Dissolved	ND		mg/l	0.00200	--	1	02/23/16 11:35	02/24/16 12:55	1,6020A	KL
Copper, Dissolved	ND		mg/l	0.00100	--	1	02/23/16 11:35	02/24/16 12:55	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00050	--	1	02/23/16 11:35	02/24/16 12:55	1,6020A	KL
Nickel, Dissolved	ND		mg/l	0.00200	--	1	02/23/16 11:35	02/24/16 12:55	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	--	1	02/23/16 11:35	02/24/16 12:55	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	--	1	02/23/16 11:35	02/24/16 12:55	1,6020A	KL
Zinc, Dissolved	ND		mg/l	0.01000	--	1	02/23/16 11:35	02/24/16 12:55	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG867201-2								
Antimony, Total	86		-		80-120	-		
Arsenic, Total	95		-		80-120	-		
Cadmium, Total	99		-		80-120	-		
Chromium, Total	96		-		80-120	-		
Copper, Total	97		-		80-120	-		
Lead, Total	106		-		80-120	-		
Nickel, Total	98		-		80-120	-		
Selenium, Total	104		-		80-120	-		
Silver, Total	96		-		80-120	-		
Zinc, Total	98		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG867526-2								
Iron, Total	100		-		85-115	-		
Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG867535-2								
Mercury, Dissolved	112		-		85-115	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG867537-2								
Mercury, Total	110		-		85-115	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS

Project Number: 42907-003

Lab Number: L1604613

Report Date: 02/29/16

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG867577-2					
Iron, Dissolved	90	-	85-115	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01 Batch: WG867578-2					
Antimony, Dissolved	83	-	80-120	-	
Arsenic, Dissolved	92	-	80-120	-	
Cadmium, Dissolved	99	-	80-120	-	
Chromium, Dissolved	95	-	80-120	-	
Copper, Dissolved	97	-	80-120	-	
Lead, Dissolved	104	-	80-120	-	
Nickel, Dissolved	95	-	80-120	-	
Selenium, Dissolved	98	-	80-120	-	
Silver, Dissolved	95	-	80-120	-	
Zinc, Dissolved	96	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003

Lab Number: L1604613
Report Date: 02/29/16

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: WG867201-4 QC Sample: L1604620-02 Client ID: MS Sample												
Antimony, Total	ND	0.5	0.6354	**127**	Q	-	-		75-125	-		20
Arsenic, Total	0.00488	0.12	0.1559	**126**	Q	-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.06344	124		-	-		75-125	-		20
Chromium, Total	0.00539	0.2	0.2534	124		-	-		75-125	-		20
Copper, Total	0.01295	0.25	0.3262	125		-	-		75-125	-		20
Lead, Total	0.00060J	0.51	0.6776	**133**	Q	-	-		75-125	-		20
Nickel, Total	0.01013	0.5	0.6246	123		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.158	**132**	Q	-	-		75-125	-		20
Silver, Total	ND	0.05	0.06046	121		-	-		75-125	-		20
Zinc, Total	0.0352	0.5	0.6346	120		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867526-4 QC Sample: L1600002-59 Client ID: MS Sample												
Iron, Total	3.2	1	4.0	80		-	-		75-125	-		20
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867535-4 QC Sample: L1604613-01 Client ID: HA2-OW												
Mercury, Dissolved	ND	0.005	0.00540	108		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867537-4 QC Sample: L1604613-01 Client ID: HA2-OW												
Mercury, Total	ND	0.005	0.00502	100		-	-		70-130	-		20
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867577-4 QC Sample: L1604613-01 Client ID: HA2-OW												
Iron, Dissolved	ND	1	0.99	99		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003

Lab Number: L1604613
Report Date: 02/29/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867578-4 QC Sample: L1604613-01 Client ID: HA2-OW									
Antimony, Dissolved	0.00294	0.5	0.4725	94	-	-	75-125	-	20
Arsenic, Dissolved	0.00107	0.12	0.1247	103	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05138	101	-	-	75-125	-	20
Chromium, Dissolved	0.00214	0.2	0.1879	93	-	-	75-125	-	20
Copper, Dissolved	0.01012	0.25	0.2513	96	-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5420	106	-	-	75-125	-	20
Nickel, Dissolved	0.00288	0.5	0.4883	97	-	-	75-125	-	20
Selenium, Dissolved	0.0322	0.12	0.152	100	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04666	93	-	-	75-125	-	20
Zinc, Dissolved	ND	0.5	0.4868	97	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003

Lab Number: L1604613
Report Date: 02/29/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867201-3 QC Sample: L1604620-02 Client ID: DUP Sample						
Arsenic, Total	0.00488	0.00484	mg/l	1		20
Chromium, Total	0.00539	0.00548	mg/l	2		20
Copper, Total	0.01295	0.01187	mg/l	9		20
Lead, Total	0.00060J	ND	mg/l	NC		20
Nickel, Total	0.01013	0.00921	mg/l	9		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867526-3 QC Sample: L1600002-59 Client ID: DUP Sample						
Iron, Total	3.2	3.2	mg/l	0		20
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867535-3 QC Sample: L1604613-01 Client ID: HA2-OW						
Mercury, Dissolved	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867537-3 QC Sample: L1604613-01 Client ID: HA2-OW						
Mercury, Total	ND	ND	mg/l	NC		20
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867577-3 QC Sample: L1604613-01 Client ID: HA2-OW						
Iron, Dissolved	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003

Lab Number: L1604613
Report Date: 02/29/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867578-3 QC Sample: L1604613-01 Client ID: HA2-OW					
Antimony, Dissolved	0.00294	0.00292	mg/l	1	20
Arsenic, Dissolved	0.00107	0.00103	mg/l	3	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Chromium, Dissolved	0.00214	0.00217	mg/l	1	20
Copper, Dissolved	0.01012	0.01052	mg/l	4	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Nickel, Dissolved	0.00288	0.00295	mg/l	2	20
Selenium, Dissolved	0.0322	0.0327	mg/l	2	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003
Lab Number: L1604613
Report Date: 02/29/16

SAMPLE RESULTS

Lab ID: L1604613-01
Client ID: HA2-OW
Sample Location: Not Specified
Matrix: Water

Date Collected: 02/19/16 13:00
Date Received: 02/19/16
Field Prep: Field Filtered (Metals)

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	-	02/23/16 11:10	30,2540D	DW
Cyanide, Total	0.005		mg/l	0.005	--	1	02/22/16 09:23	02/22/16 13:25	30,4500CN-CE	ML
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	02/19/16 19:40	30,4500CL-D	AS
TPH, SGT-HEM	ND		mg/l	4.00	--	1	02/20/16 07:54	02/20/16 08:54	74,1664A	KZ
Phenolics, Total	ND		mg/l	0.030	--	1	02/22/16 10:15	02/22/16 13:22	4,420.1	MP
Chromium, Hexavalent	ND		mg/l	0.010	--	1	02/20/16 00:30	02/20/16 00:45	119,3500CR-B	LH
Anions by Ion Chromatography - Westborough Lab										
Chloride	552.		mg/l	50.0	--	100	-	02/19/16 21:04	44,300.0	AU

Project Name: TELFORD STREET CONDOMINIUMS **Lab Number:** L1604613

Project Number: 42907-003 **Report Date:** 02/29/16

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: WG866830-1										
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	02/19/16 19:40	30,4500CL-D	AS
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG866871-1										
Chromium, Hexavalent	ND		mg/l	0.010	--	1	02/20/16 00:30	02/20/16 00:45	119,3500CR-B	LH
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG866947-1										
TPH, SGT-HEM	ND		mg/l	4.00	--	1	02/20/16 07:54	02/20/16 08:54	74,1664A	KZ
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG867207-1										
Cyanide, Total	ND		mg/l	0.005	--	1	02/22/16 09:23	02/22/16 13:09	30,4500CN-CE	ML
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG867221-1										
Phenolics, Total	ND		mg/l	0.030	--	1	02/22/16 10:15	02/22/16 13:15	4,420.1	MP
Anions by Ion Chromatography - Westborough Lab for sample(s): 01 Batch: WG867361-1										
Chloride	ND		mg/l	0.500	--	1	-	02/19/16 20:40	44,300.0	AU
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG867463-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	02/23/16 11:10	30,2540D	DW

Lab Control Sample Analysis

Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003

Lab Number: L1604613
Report Date: 02/29/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG866830-2								
Chlorine, Total Residual	101		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG866871-2								
Chromium, Hexavalent	99		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG866947-2								
TPH	65		-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG867207-2								
Cyanide, Total	94		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG867221-2								
Phenolics, Total	92		-		70-130	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 Batch: WG867361-2								
Chloride	102		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003

Lab Number: L1604613
Report Date: 02/29/16

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: WG866871-4 QC Sample: L1604613-01 Client ID: HA2-OW												
Chromium, Hexavalent	ND	0.1	0.098	98		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG866947-4 QC Sample: L1604422-01 Client ID: MS Sample												
TPH	ND	20	20.1	100		-	-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867207-4 QC Sample: L1604433-02 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.196	98		-	-		90-110	-		30
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867221-4 QC Sample: L1604420-01 Client ID: MS Sample												
Phenolics, Total	0.35	0.4	0.79	109		-	-		70-130	-		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867361-3 QC Sample: L1604420-02 Client ID: MS Sample												
Chloride	666	200	879	106		-	-		40-151	-		18

Lab Duplicate Analysis
Batch Quality Control

Project Name: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003

Lab Number: L1604613
Report Date: 02/29/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG866830-3 QC Sample: L1604613-01 Client ID: HA2-OW						
Chlorine, Total Residual	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG866871-3 QC Sample: L1604613-01 Client ID: HA2-OW						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG866947-3 QC Sample: L1604393-01 Client ID: DUP Sample						
TPH	5.30	7.90	mg/l	**39**	Q	34
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867207-3 QC Sample: L1604282-02 Client ID: DUP Sample						
Cyanide, Total	0.005	0.005	mg/l	12		30
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867221-3 QC Sample: L1604420-01 Client ID: DUP Sample						
Phenolics, Total	0.35	0.36	mg/l	3		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG867361-4 QC Sample: L1604420-02 Client ID: DUP Sample						
Chloride	666	664	mg/l	0		18

Project Name: TELFORD STREET CONDOMINIUMS
Project Number: 42907-003

Lab Number: L1604613
Report Date: 02/29/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1604613-01A	Vial HCl preserved	A	N/A	3.1	Y	Absent	8260-SIM(14),8260(14)
L1604613-01B	Vial HCl preserved	A	N/A	3.1	Y	Absent	8260-SIM(14),8260(14)
L1604613-01C	Vial HCl preserved	A	N/A	3.1	Y	Absent	8260-SIM(14),8260(14)
L1604613-01D	Vial Na2S2O3 preserved	A	N/A	3.1	Y	Absent	504(14)
L1604613-01E	Vial Na2S2O3 preserved	A	N/A	3.1	Y	Absent	504(14)
L1604613-01F	Plastic 250ml HNO3 preserved	A	<2	3.1	Y	Absent	CU-6020S(180),FE-RI(180),SE-6020S(180),ZN-6020S(180),CR-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),HG-R(28),SB-6020S(180),CD-6020S(180)
L1604613-01G	Plastic 250ml NaOH preserved	A	>12	3.1	Y	Absent	TCN-4500(14)
L1604613-01H	Plastic 950ml unpreserved	A	7	3.1	Y	Absent	TSS-2540(7)
L1604613-01I	Plastic 950ml unpreserved	A	7	3.1	Y	Absent	CL-300(28),HEXCR-3500(1),TRC-4500(1)
L1604613-01J	Amber 950ml H2SO4 preserved	A	<2	3.1	Y	Absent	TPHENOL-420(28)
L1604613-01K	Amber 1000ml HCl preserved	A	N/A	3.1	Y	Absent	TPH-1664(28)
L1604613-01L	Amber 1000ml HCl preserved	A	N/A	3.1	Y	Absent	TPH-1664(28)
L1604613-01M	Amber 1000ml Na2S2O3	A	7	3.1	Y	Absent	PCB-608(7)
L1604613-01N	Amber 1000ml Na2S2O3	A	7	3.1	Y	Absent	PCB-608(7)
L1604613-01O	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1604613-01P	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1604613-01Q	Plastic 250ml HNO3 preserved	A	<2	3.1	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)
L1604613-02A	Vial HCl preserved	A	N/A	3.1	Y	Absent	ARCHIVE(0)
L1604613-02B	Vial HCl preserved	A	N/A	3.1	Y	Absent	ARCHIVE(0)
L1604613-02C	Vial HCl preserved	A	N/A	3.1	Y	Absent	ARCHIVE(0)
L1604613-02D	Vial HCl preserved	A	N/A	3.1	Y	Absent	ARCHIVE(0)
L1604613-02E	Vial Na2S2O3 preserved	A	N/A	3.1	Y	Absent	ARCHIVE()
L1604613-02F	Vial Na2S2O3 preserved	A	N/A	3.1	Y	Absent	ARCHIVE()

*Values in parentheses indicate holding time in days

Project Name:	TELFORD STREET CONDOMINIUMS	**Lab Number:**	L1604613
Project Number:	42907-003	**Report Date:**	02/29/16

GLOSSARY

Acronyms

EDL	- Estimated 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 EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
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.
LFB	- Laboratory Fortified Blank: 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.
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.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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 ten times (10x) 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. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

Report Format: Data Usability Report

Project Name:	TELFORD STREET CONDOMINIUMS	**Lab Number:**	L1604613
Project Number:	42907-003	**Report Date:**	02/29/16

Data Qualifiers

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

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.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

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

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. 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.

S - Analytical results are from modified screening analysis.

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:	TELFORD STREET CONDOMINIUMS	**Lab Number:**	L1604613
Project Number:	42907-003	**Report Date:**	02/29/16

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

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.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

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.

119 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 21st Edition.

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.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene
EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene
EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.
EPA 1010A: NPW: Ignitability
EPA 6010C: NPW: Strontium; SCM: Strontium
EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation
EPA 9038: NPW: Sulfate
EPA 9050A: NPW: Specific Conductance
EPA 9056: NPW: Chloride, Nitrate, Sulfate
EPA 9065: NPW: Phenols
EPA 9251: NPW: Chloride
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam
EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane
SM 2540D: TSS
SM2540G: SCM: Percent Solids
EPA 1631E: SCM: Mercury
EPA 7474: SCM: Mercury
EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA 8270-SIM: NPW and SCM: Alkylated PAHs.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.
Biological Tissue Matrix: ***8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:*** Lead***; 8270D:*** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

HALEY & ALDRICH
Haley & Aldrich, Inc.
465 Medford St.,
Suite 2200,
Boston, MA 02129-1402
Phone (617) 886-7400
Fax (617) 886-7600

CHAIN OF CUSTODY RECORD L1604613

Page 1 of 1

H&A FILE NO.	42907-033	LABORATORY	ALPHA ANALYTICAL	DELIVERY DATE	2/19/16
PROJECT NAME	TELFORD STREET CONDOMINIUMS	ADDRESS	WESTBOROUGH, MA	TURNAROUND TIME	STANDARD
H&A CONTACT	T.COOPER	CONTACT	GINA HALL	PROJECT MANAGER	D.LINDSAY

Analysis Requested

Sample No.	Date	Time	Depth	Type	1. VOCs 8260	2. SVOCs 8270/8270-SIM	3. PCBs 608	4. TSS 160.2	5. EDB 504.1	6. TPH 1664	7. Total Phenol 420.1	8. Dissolved Metals	9. TRC 330.1	10. TCN 335.2	11. Hex Cr SM 3500	12. Total Metals	13. Chloride	Diss Metals Fe	Number of Containers
HA2-OW	2/19/16	1300	—	AQ	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Trip blanks	2/19/16	1300	—	AQ															6

do not analyze tripblank---GMH 2/22/16

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

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

8/12. NPDES list of metals: Cd, Cr, Cu, Pb, Ni, Ag, Zn, As, Se, Sb, Hg and Fe

8260 also include SIM

Sampled and Relinquished by	Received by
Sign: S. Shay	Sign: K Smith
Print: S. SHAY	Print: K Smith
Firm: Haley & Aldrich, Inc.	Firm: AAL
Date: 2/19/16 Time: 1520	Date: 2/19/16 Time: 1600

Relinquished by	Received by
Sign: K Smith	Sign: Richard Scott
Print: K Smith	Print: Richard Scott
Firm: AAL	Firm: AAL
Date: 2/19/16 Time: 1730	Date: 2/19/16 Time: 1730

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time

LIQUID

	1	2	3	4	5	6	7	8	9	10	11	12	13	Diss Metals Fe
VOA Vial	X				X								X	
Amber Glass		X	X			X	X					X		
Plastic Bottle				X				X	X	X	X			X
Preservative	AF	A	AH	A	AH	AF	AE	AD	A	AC	A	AF	AF	AD
Volume (mL)	40	1000	1000	950	40	1000	950	500	950	250	950	1000	40	250

SOLID

VOA Vial	
Amber Glass	
Clear Glass	
Preservative	
Volume	

Sampling Comments

*Sample submitted for NPDES RGP permit application. Please follow appropriate testng methods and minimum detection levels as required by the EPA for the RGP.

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 (Na2S2O3) (circle)

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

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

______ 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)____ analyze

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 GOLDENROD - Haley & Aldrich Contact APRIL 2011

HALEY & ALDRICH
Haley & Aldrich, Inc.
465 Medford St.,
Suite 2200,
Boston, MA 02129-1402
Phone (617) 886-7400
Fax (617) 886-7600

CHAIN OF CUSTODY RECORD

L1604613

H&A FILE NO.	42907-033	LABORATC	ALPHA ANALYTICAL
PROJECT NAME	TELFORD STREET CONDOMINIUMS	ADDRESS	WESTBOROUGH, MA
H&A CONTACT	T.COOPER	CONTACT	GINA HALL

DELIVERY DATE 2/19/16
TURNAROUND TIME STANDARD
PROJECT MANAGER D.LINDSAY

Sample No.	Date	Time	Depth	Type	1. VOCs 8260	2. SVOCs 8270/8270-SIM	3. PCBs 608	4. TSS 160.2	5. EDB 504.1	6. TPH 1664	7. Total Phenol 420.1	8. Dissolved Metals	9. TRC 330.1	10. TCN 335.2	11. Hex Cr SM 3500	12. Total Metals	13. Chloride	DISS METALS Fe	Number of Containers
HA2-OW	2/19/16	1300	—	AQ	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Trip blanks	2/19/16	1300	—	AQ															6

Analysis Requested

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

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8/12. NPDES list of metals: Cd, Cr, Cu, Pb, Ni, Ag, Zn, As, Se, Sb, Hg and Fe

Sampled and Relinquished by	Received by
Sign A. Haley	Sign [illegible]
Print S. Haley	Print K Smith
Firm Haley & Aldrich, Inc.	Firm HA
Date 2/19/16 Time 1520	Date 2/19/16 Time 1600
Relinquished by	**Received by**
Sign [illegible]	Sign Richard Scott
Print K Smith	Print Richard Scott
Firm HA	Firm AA
Date 2/19/16 Time 1730	Date 2/19/16 Time 1730
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time

LIQUID	1	2	3	4	5	6	7	8	9	10	11	12	13	DISS METALS Fe	
VOA Vial	X				X								X		
Amber Glass		X	X			X	X					X			
Plastic Bottle				X				X	X	X	X			X	
Preservative	AF	A	AH	A	AH	AF	AF	AD	A	AC	A	AF	AF	HOD	
Volume (mL)	40	1000	1000	950	40	1000	950	500	950	250	950	1000	40	250	

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 (Na2S2O3 (circle))

Sampling Comments

*Sample submitted for NPDES RGP permit application. Please follow appropriate testng methods and minimum detection levels as required by the EPA for the RGP.

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

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

APRIL 2011