



# FINAL IMMEDIATE RESPONSE ACTION COMPLETION REPORT

**82 Bridge Street  
Weymouth, Massachusetts 02191  
Release Tracking Number 4-28676**

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*Prepared for:*



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*Prepared by:*



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**June 2021**

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## 1.0 INTRODUCTION

TRC Environmental Corporation (TRC) is submitting this Final Immediate Response Action (IRA) Completion Report (Final IRA Completion Report) to complete the response to a 2-hour reporting condition under the Massachusetts Contingency Plan (MCP).

The 2-hour reporting condition was identified as a result of laboratory analysis of a soil sample collected pursuant to the September 21, 2020 Scope of Work for the Phase II Comprehensive Site Assessment of the MCP Site identified by Release Tracking Number (RTN) 4-26230 (the "Site").

Soil samples collected from a depth of less than twelve inches below the ground surface at the portion of the Site located at 82 Bridge Street (Weymouth Assessors Block-Lot ID's 63-3, also known as the Kings Cove Conservation Area) were determined to contain arsenic at a concentration exceeding the concentration specified at 310 CMR 40.0321(2)(b). Following verbal notification of that condition to the Massachusetts Department of Environmental Protection (MassDEP) on January 26, 2021, MassDEP assigned RTN 4-28676 to the arsenic in surficial soil.

MassDEP approved an IRA consisting of the continuing delineation of the extent of arsenic in shallow soils at the Site. **Figure 1** shows the area of the Site that is addressed by the IRA including the sample locations.

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(617) 560-1335

Property Owner: Calpine Fore River Energy Center, LLC  
Attention: Mr. Charles Parnell  
9 Bridge Street  
North Weymouth, MA 02191  
(781) 682-2522

Licensed Site Professional: James Doherty, PE, LSP  
LSP License Number 3984  
TRC Environmental Corporation  
650 Suffolk Street  
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This Final IRA Completion Report is being submitted following the completion of IRA activities in accordance with 310 CMR 40.0427.

## **2.0 DESCRIPTION OF RELEASE, SITE CONDITIONS, AND SURROUNDING RECEPTORS [310 CMR 40.0427(4)(a)]**

The following sections describe the release, site conditions, and surrounding receptors in accordance with 310 CMR 40.0427(4)(a).

### **2.1 Release Description**

Laboratory analytical results for soil sample B-603 at a depth of 0 to 1-foot collected on January 12, 2021 indicated an arsenic concentration of 61.4 milligrams per kilogram (mg/kg). This concentration exceeds the concentration specified at 310 CMR 40.0321(2)(b) which is 40 mg/kg.

To evaluate whether an Imminent Hazard is actually presented by the circumstances that are the subject of a 2-hour notification, the MCP requires calculation of an Exposure Point Concentration based on all pertinent sampling results for the area that could potentially pose an Imminent Hazard.

### **2.2 Site Conditions**

The Site is north of Bridge Street (Route 3A) in Weymouth, just to the east of the Fore River Bridge.

The coordinates of the Site are: 42.244360 N and -70.962189 W.

The portion of the Site addressed by the IRA Completion Report is approximately 3 acres. At some locations at the Site, the soil is impacted with anthropogenic (man-made) materials like coal, coal ash, and clinkers associated with historic filling.

### **2.3 Surrounding Receptors**

The properties in the vicinity of the portion of the Site addressed by this IRA Completion Report include residential properties along Bridge Street, and commercial properties including the Calpine Fore River Energy Center, the Algonquin Compressor Station, and the Massachusetts Water Resource Authority (MWRA) pumping station.

According to data obtained from the Massachusetts Geographic Information System (MassGIS) website (<http://www.mass.gov/mgis/v>), there are no relevant mapped priority resource features within 500 feet of the Site. A copy of the MassGIS Priority Resources Map for the vicinity of the Site is provided as **Figure 2**.

### 3.0 DESCRIPTION OF WORK COMPLETED [310 CMR 40.0427(4)(b)]

#### 3.1 Soil Sampling

Between November 4, 2020 and February 3, 2021, TRC performed soil sampling at the Site as part of a wider sampling program to determine the nature and extent of OHM releases at the Site. A total of 67 shallow (0 to 1-foot and 0 to 3-foot) soil samples were collected and submitted for laboratory analyses to evaluate potential extractable petroleum hydrocarbons (EPH), polycyclic aromatic hydrocarbons (PAHs), and metals impacts. Laboratory analytical results for soil sample B-603 at a depth of 0 to 1-foot indicated an arsenic concentration of 61.4 mg/kg. In addition, analytical results for soil samples collected from locations UU-02, UU-04, and UU-05 at a depth of 0 to 3-feet indicated arsenic concentrations above 40 mg/kg which would exceed the concentration specified at 310 CMR 40.0321(2)(b) if a concentration greater than 40 mg/kg was attributable to soil at a depth less than twelve inches below the ground surface.

To delineate the extent of arsenic at a concentration greater than 40 mg/kg in soils at a depth less than twelve inches below the ground surface, TRC collected additional shallow soil samples at locations situated five and ten feet to the north, south, east, and west of sample location B-603 as well as immediately adjacent to sample locations UU-02, UU-04, and UU-05. Samples were also collected at a depth less than twelve inches below the ground surface from locations situated five and ten feet to the north, south, east, and west of locations UU-02, UU-04, and UU-05.

Soil sample locations are identified on **Figure 1** and the sample results are summarized in **Table 1**.

## 4.0 INVESTIGATIVE AND MONITORING DATA [310 CMR 40.0427(4)(c)]

Investigative and monitoring data obtained during implementation of the IRA are summarized in **Table 1** and discussed below. Copies of the laboratory analytical reports are included in **Appendix A**.

### 4.1 Soil Sample Results

Laboratory analytical results for soil sample B-603 at a depth of 0 to 1-foot indicated an arsenic concentration of 61.4 mg/kg. Results for the soil samples collected from a depth of 0 to 1-foot at the additional borings advanced five feet to the north, south, east, and west of sample location B-603 indicated no arsenic concentrations above 40 mg/kg and delineated the extent of arsenic concentrations above 40 mg/kg in surficial soil at location B-603. As such, the soil samples collected from the additional borings advanced ten feet to the north, south, east, and west of sample location B-603 were not authorized for analysis.

Laboratory analytical results for soil samples collected at a depth less than twelve inches below the ground surface and from immediately adjacent to locations UU-02, UU-04, and UU-05 indicated no arsenic concentrations over 40 mg/kg. As such, the soil samples collected from the additional borings advanced five and ten feet to the north, south, east, and west of sample locations UU-02, UU-04, and UU-05 were not authorized for analysis.

Sample results are summarized in **Table 1** and the sample locations are shown on **Figure 1**.

TRC performed a quality assurance/quality control (QA/QC) review of the laboratory reports (e.g., data completeness, surrogate recoveries, holding times, sample preservation, and sample duplicates for data reproducibility). In general, the data are usable for project decisions based on a review of accuracy, precision, and sensitivity of the data. The data are valid as reported and may be used for decision-making purposes with cautions and/or limitations. The data usability assessment is included in **Appendix B**.

### 4.2 Imminent Hazard Evaluation

An MCP Method 3 IH Evaluation was performed to support this Final IRA Completion Report (see **Appendix C**). The IH Evaluation evaluates the risks to recreational visitors who may be exposed to arsenic and other contaminants in soil less than twelve inches below the ground surface at location B-603. Because B-603 was the only location within the Site with an arsenic concentration that exceeded the concentration specified at 310 CMR 40.0321(2)(b), analytical data from this location was evaluated in the IH Evaluation. The IH Evaluation was conducted in a manner consistent with 310 CMR 40.0426, 310 CMR 40.0951 through 40.0955, and MassDEP's Guidance for Disposal Site Risk Characterization (MassDEP, 1995 and updates). Arsenic, barium, beryllium, vanadium, and C11-C22 aromatics were identified as the contaminants of potential concern based on the data, the MCP, and applicable guidance.

An IH Evaluation is focused on actual or likely exposures to receptors under current site conditions, considering the current use(s) of the site and the surrounding environment, and considering a period of time that is five years or less. Therefore, the potential receptor used for the IH Evaluation is a 1 to 6-year old child recreational visitor. MassDEP's recommended child visitor exposure assumptions and toxicity values were used to estimate the risks for the IH Evaluation.

The IH Evaluation concluded that the concentrations of contaminants of potential concern in soil at location B-603 do not present an IH. The hazard indices (HIs) and excess lifetime cancer risks (ELCRs) for the young child recreational visitor do not exceed MassDEP Risk Limits for an IH. The total ELCR is less than  $10^{-5}$  and the total HI is less than 10. The complete IH Evaluation is included in **Appendix C**.

## **5.0 LISTING OF FEDERAL STATE OR LOCAL PERMITS NEEDED TO CONDUCT THE IRA [310 CMR 40.0424(1)(h)]**

No federal permits were required for the IRA activities. The IRA activities at the Site are the subject of an Order of Conditions issued by the Weymouth Conservation Commission on October 15, 2020 (Permit #81-1285) and an MWRA 8m permit issued on November 12, 2020 (Permit # 20-10-1631M).



## **6.0 STATEMENT OF IRA FINDINGS AND CONCLUSIONS [310 CMR 40.0427(4)(d)]**

As discussed in Section 4.2 above, TRC has concluded that the concentrations of arsenic in soil do not present an IH.

## **7.0 DESCRIPTION OF ONGOING ACTIVITIES [310 CMR 40.0427(4)(g)]**

No further field investigations are planned regarding the arsenic concentrations in soil that are the subject of this IRA. Phase II investigations continue at the Site in anticipation of the July 28, 2021 submittal of the Phase II Comprehensive Site Assessment Report and Risk Characterization for the Site.

## **8.0 MANAGEMENT OF REMEDIATION WASTES [310 CMR 40.0424(1)(f)]**

Soil boring material was returned to the boring in the order from which it was removed. Remediation waste was not generated during IRA activities.

## **9.0 LSP OPINION [310 CMR 40.0427(5)]**

The investigation and assessment activities that have been undertaken in performance of this IRA are consistent with the objectives identified in the MCP and have been designed and performed according to our understanding of the conditions present at the Site. The IRA was conducted in conformance with the verbal IRA Plan. As an IH condition does not exist at the Site, IRA activities have been completed. This report is submitted under a MassDEP IRA Completion Statement form (BWSC-105).

## **10.0 PUBLIC INVOLVEMENT [310 CMR 40.0428]**

The Draft IRA Completion Report was presented at a Public Involvement Plan (PIP) meeting on April 7, 2021. Appendix E provides copies of legal notices announcing the public meeting and document availability which were posted in the Boston Globe, the Quincy Patriot Ledger and the Weymouth News, and copies of notices sent to the Mayor, Board of Health and PIP mailing list regarding the availability of the report. Appendix F provides responses to comments received from the public during the PIP meeting and via email following the meeting.

This document will be uploaded to the MassDEP database under RTN 4-28676 and will be available for public review and download after that time. In accordance with the PIP Plan, a notice of availability of this Final IRA Completion Report and the Responses to Public Comments will be sent via electronic mail to the PIP group mailing list. Notice of the availability of the Final IRA Completion Report will also be sent to the Mayor and Board of Health. Copies of these notifications are included in Appendix E. Hard copies of this document will be provided to the information repositories at the Weymouth Health Department and the Tufts Library.

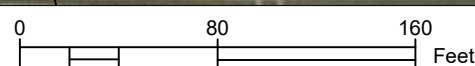
# FIGURES



INSETS B-603 AND UU-2

INSET UU-5

INSET UU-4

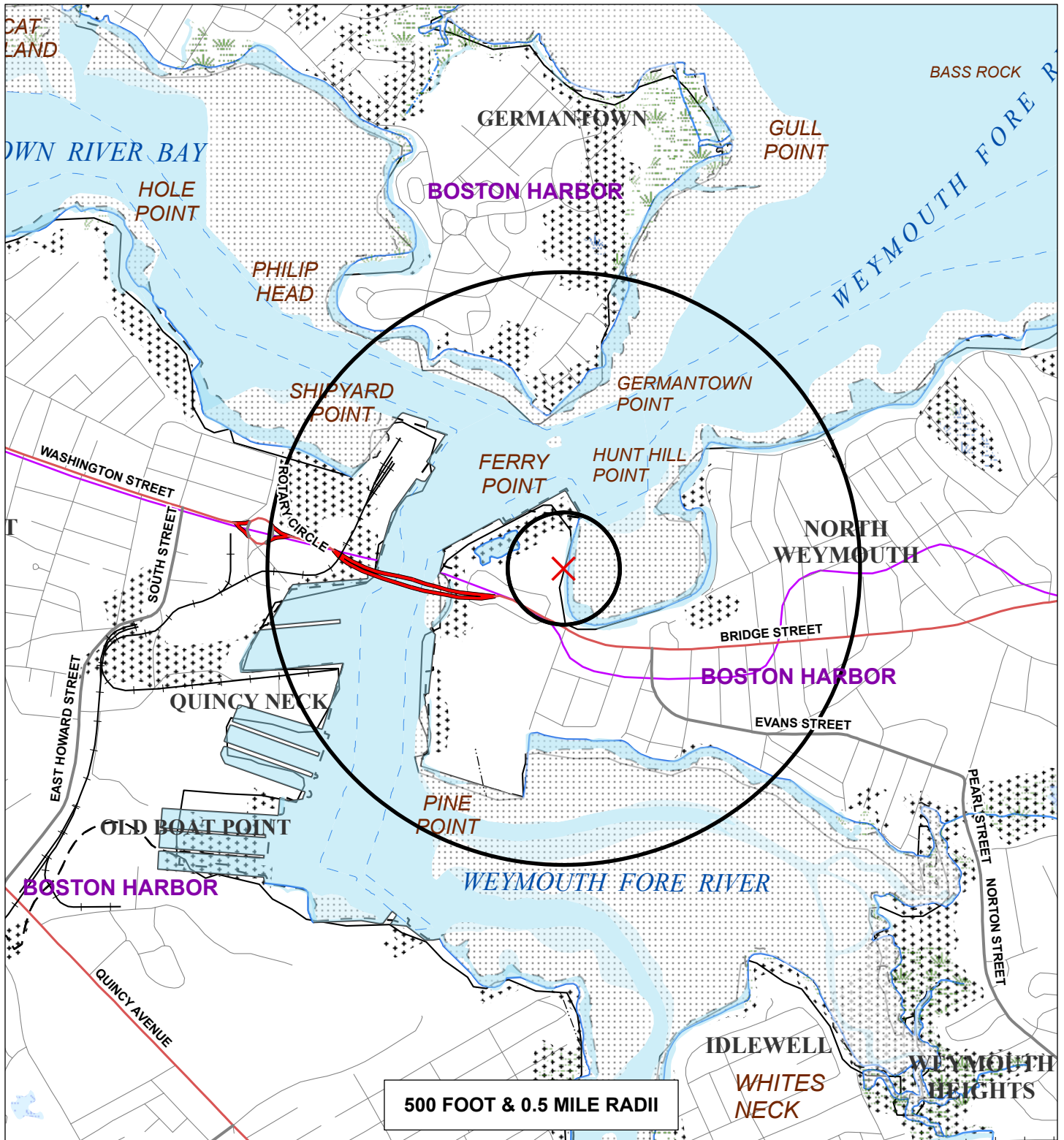


**General Notes**

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE A COMBINATION OF FIELD EVIDENCE, RECORD PLANS AND GIS.
2. THE EXISTING CONDITIONS SHOWN ON THIS PLAN WERE THE RESULT OF AN ON THE GROUND SURVEY PERFORMED IN AUGUST 2014 AND SUPPLEMENTED IN JUNE 2020.
3. HORIZONTAL DATUM IS BASED ON UTM 19 PROJECTIONS, NAD 1983. VERTICAL DATUM IS BASED ON GPS OBSERVATION IN NAVD 88.
4. THE COASTAL BANK SHOWN ON THIS PLAN WAS DELINEATED IN THE WINTER OF 2015 BY TRC ENVIRONMENTAL CORP. AND FIELD SURVEYED BY VHB IN DECEMBER OF 2015.

- - - EXTENT OF SITE ADDRESSED BY IMMEDIATE RESPONSE ACTION.
- SAMPLE LOCATION NOT ANALYZED
- SURFACE SOIL SAMPLE LOCATION AND NUMBER
- SAMPLE LOCATION WITH ARSENIC > 40 MG/KG IN 0-1' OR 0-3' INTERVAL
- ⊕ BORING LOCATION AND NUMBER
- ⊕ UNDERGROUND UTILITY SAMPLE LOCATION AND NUMBER
- ⊞ TEST PIT LOCATION AND NUMBER
- - - MEAN HIGH WATER

<b>PROJECT:</b>	
<b>82 BRIDGE STREET WEYMOUTH, MASSACHUSETTS</b>	
<b>TITLE:</b>	
<b>SOIL SAMPLE LOCATION PLAN</b>	
DRAWN BY: MAN	PROJ NO.: 414883
CHECKED BY: JS	<b>FIGURE 1</b>
APPROVED BY: JD	
DATE: FEB. 2021	
650 Suffolk Street Suite 200 Lowell, MA 01854 Phone: 978.970.5600	
FILE NO.: SOIL SAMPLE LOCATION PLAN_2021_02_15.dwg	



500 FOOT & 0.5 MILE RADII

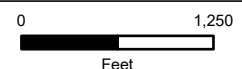
- Roads: Limited Access, Multi-Lane, Major/Minor, Track, Trail
  - Railroad, Pipeline, Powerline
  - Major Basin, Sub Basin, Perennial Stream, Intermittent Stream, Shoreline, Man made Shore, Dam, Aqueduct
  - Wetland, Salt Wetland, Submerged Wetland, Open Water, Reservoir, Tidal Flat/Shoal
  - Potentially Productive Aquifers: Medium, High Yield
  - Non-Potential Drinking Water Source Area: Medium, High Yield
  - EPA Sole Source Aquifer, FEMA 100 Yr. Floodplain, DEP Solid Waste Facility
  - Approved Zone II, IWPA, Surface Water Supply Zone A
  - Protected Open Space, ACEC
  - Priority Habitat, Certified Vernal Pool
  - Boundaries: County and Town
  - Public Water Supplies: Ground, Surface, Non-Community (NTNC, TNC)
- Source: MassGIS/EOEA



Wannalancit Mills  
650 Suffolk Street  
Lowell, MA 01854  
978-970-5600

FIGURE 2

MASSDEP PRIORITY RESOURCES MAP  
82 BRIDGE STREET  
WEYMOUTH, MA



JAN.  
2021



# TABLE

**Table 1**  
**Summary of Kings Cove Conservation Area IRA Soil Analytical Results -- 2020-2021**  
**82 Bridge Street**  
**Weymouth, Massachusetts**

Sample Location:					B-601	B-602	B-603	B-603 E-5	B-603 N-5	B-603 S-5	B-603 W-5	B-603-R	B-604	B-605	B-606	B-607	B-608	B-609	B-610	B-611				
Sample Name:					B-601 (0-1)	B-602 (0-1)	B-603 (0-1)	SS-130 (0-1)	SS-128 (0-1)	SS-129 (0-1)	SS-131 (0-1)	B-603-R-(0-1)	B-604 (0-1)	B-605 (0-1)	B-606 (0-1)	B-607 (0-1)	B-608 (0-1)	B-609 (0-1)	B-610 (0-1)	B-611 (0-1)				
Lab Sample ID:					L2102136-01	L2102136-04	L2102136-06	L2105130-03	L2105130-01	L2105130-02	L2105130-04	L2105133-02	L2102136-08	L2102136-10	L2102136-12	L2051853-01	L2052454-01	L2052454-05	L2054651-04	L2054651-01				
Sample Depth:					0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft				
Sample Date:					01/12/2021	01/12/2021	01/12/2021	02/01/2021	02/01/2021	02/01/2021	02/01/2021	02/03/2021	01/12/2021	01/12/2021	01/13/2021	11/19/2020	11/23/2020	11/23/2020	12/08/2020	12/07/2020				
Analysis	Analyte	Unit	S-1/GW-2	S-1/GW-3																				
<b>EPH</b>																								
	C9-C18 Aliphatics	mg/kg	1,000	1,000	7.20 U	7.25 U	7.58 U	NA	NA	NA	NA	7.83 U	7.53 U	7.57 U	7.33 U	7.47 U	7.22 U	7.72 U	21.6 U	23.8 U				
	C19-C36 Aliphatics	mg/kg	3,000	3,000	7.20 U	7.25 U	7.58 U	NA	NA	NA	NA	7.83 U	7.53 U	7.57 U	7.33 U	<b>13.0</b>	7.22 U	7.72 U	21.6 U	23.8 U				
	C11-C22 Aromatics	mg/kg	1,000	1,000	7.20 U	<b>9.40</b>	<b>11.5</b>	NA	NA	NA	NA	<b>18.0</b>	<b>10.4</b>	<b>8.92</b>	7.33 U	<b>24.2</b>	<b>14.1</b>	<b>18.2</b>	21.6 U	23.8 U				
<b>PAHs</b>																								
	Naphthalene	mg/kg	20	500	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	0.391 U	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
	2-Methylnaphthalene	mg/kg	80	300	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	0.391 U	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
	Acenaphthylene	mg/kg	600	10	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	0.391 U	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
	Acenaphthene	mg/kg	1,000	1,000	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	0.391 U	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
	Fluorene	mg/kg	1,000	1,000	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	0.391 U	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
	Phenanthrene	mg/kg	500	500	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	<b>0.395</b>	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
	Anthracene	mg/kg	1,000	1,000	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	0.391 U	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
	Fluoranthene	mg/kg	1,000	1,000	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	<b>0.619</b>	0.376 U	0.378 U	0.366 U	<b>0.569</b>	<b>0.376</b>	<b>0.484</b>	1.08 U	1.19 U				
	Pyrene	mg/kg	1,000	1,000	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	<b>0.647</b>	0.376 U	0.378 U	0.366 U	<b>0.409</b>	0.361 U	0.386 U	1.08 U	1.19 U				
	Benzo(a)anthracene	mg/kg	7	7	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	0.391 U	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
	Chrysene	mg/kg	70	70	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	0.391 U	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
	Benzo(b)fluoranthene	mg/kg	7	7	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	0.391 U	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
	Benzo(k)fluoranthene	mg/kg	70	70	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	0.391 U	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
	Benzo(a)pyrene	mg/kg	2	2	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	<b>0.604</b>	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
	Indeno(1,2,3-cd)Pyrene	mg/kg	7	7	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	0.391 U	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
	Dibenzo(a,h)anthracene	mg/kg	0.7	0.7	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	0.391 U	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
	Benzo(ghi)perylene	mg/kg	1,000	1,000	0.360 U	0.362 U	0.379 U	NA	NA	NA	NA	0.391 U	0.376 U	0.378 U	0.366 U	0.373 U	0.361 U	0.386 U	1.08 U	1.19 U				
<b>Metals, total</b>																								
	Antimony	mg/kg	20	20	2.11 U	2.13 U	2.30 U	NA	NA	NA	NA	2.23 U	2.19 U	2.18 U	2.16 U	2.16 U	2.17 U	2.24 U	2.28 U	2.42 U				
	Arsenic	mg/kg	20	20	<b>1.97</b>	<b>11.8</b>	<b>61.4</b>	<b>5.83</b>	<b>14.8</b>	<b>21.5</b>	<b>6.87</b>	<b>17.4</b>	<b>3.55</b>	<b>13.3</b>	<b>1.89</b>	<b>12.8</b>	<b>14.1</b>	<b>12.9</b>	<b>13.0</b>	<b>15.0</b>				
	Barium	mg/kg	1,000	1,000	<b>7.77</b>	<b>25.4</b>	<b>73.0</b>	NA	NA	NA	NA	<b>59.4</b>	<b>13.2</b>	<b>24.9</b>	<b>7.92</b>	<b>10.2</b>	<b>17.0</b>	<b>12.4</b>	<b>11.0</b>	<b>10.9</b>				
	Beryllium	mg/kg	90	90	0.211 U	0.213 U	<b>1.50</b>	NA	NA	NA	NA	<b>0.563</b>	0.219 U	<b>0.244</b>	0.216 U	0.216 U	<b>0.417</b>	<b>0.470</b>	<b>0.519</b>	<b>0.397</b>				
	Cadmium	mg/kg	70	70	0.422 U	0.426 U	0.459 U	NA	NA	NA	NA	0.447 U	0.438 U	0.437 U	0.432 U	0.433 U	0.434 U	0.447 U	<b>0.606</b>	0.484 U				
	Chromium	mg/kg	100	100	<b>5.18</b>	<b>8.16</b>	<b>11.4</b>	NA	NA	NA	NA	<b>8.09</b>	<b>5.82</b>	<b>7.49</b>	<b>6.13</b>	<b>9.50</b>	<b>11.0</b>	<b>16.9</b>	<b>12.6</b>	<b>15.6</b>				
	Lead	mg/kg	200	200	<b>7.82</b>	<b>17.2</b>	<b>22.5</b>	NA	NA	NA	NA	<b>26.2</b>	<b>9.48</b>	<b>15.4</b>	<b>7.92</b>	<b>161</b>	<b>30.0</b>	<b>26.9</b>	<b>36.1</b>	<b>42.0</b>				
	Mercury	mg/kg	20	20	0.077 U	0.078 U	<b>0.091</b>	NA	NA	NA	NA	0.081 U	0.074 U	0.081 U	0.078 U	0.082 U	0.084 U	0.087 U	0.086 U	0.090 U				
	Nickel	mg/kg	600	600	<b>3.70</b>	<b>7.16</b>	<b>13.7</b>	NA	NA	NA	NA	<b>7.79</b>	<b>5.10</b>	<b>8.10</b>	<b>4.08</b>	<b>15.2</b>	<b>26.0</b>	<b>14.6</b>	<b>24.7</b>	<b>33.1</b>				
	Selenium	mg/kg	400	400	2.11 U	2.13 U	2.30 U	NA	NA	NA	NA	2.23 U	2.19 U	2.18 U	2.16 U	2.16 U	2.17 U	2.24 U	2.28 U	2.42 U				
	Silver	mg/kg	100	100	0.422 U	0.426 U	0.459 U	NA	NA	NA	NA	0.447 U	0.438 U	0.437 U	0.432 U	0.433 U	0.434 U	0.447 U	0.456 U	0.484 U				
	Thallium	mg/kg	8	8	2.11 U	2.13 U	2.30 U	NA	NA	NA	NA	2.23 U	2.19 U	2.18 U	2.16 U	2.16 U	2.17 U	2.24 U	2.28 U	2.42 U				
	Vanadium	mg/kg	400	400	<b>11.7</b>	<b>19.7</b>	<b>48.0</b>	NA	NA	NA	NA	<b>20.3</b>	<b>14.7</b>	<b>36.6</b>	<b>13.2</b>	<b>51.8</b>	<b>149</b>	<b>24.3</b>	<b>59.0</b>	<b>134</b>				
	Zinc	mg/kg	1,000	1,000	<b>10.0</b>	<b>26.6</b>	<b>22.4</b>	NA	NA	NA	NA	<b>31.6</b>	<b>25.1</b>	<b>11.0</b>	<b>55.1</b>	<b>48.0</b>	<b>33.6</b>	<b>56.0</b>	<b>56.4</b>	<b>27.5</b>				

**Notes:**  
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).  
NA - Sample not analyzed for the listed analyte.  
NS - No MassDEP standards exist for this analyte.  
U - Analyte was not detected at specified quantitation limit.  
Values in **bold** indicate the analyte was detected.  
**Values shown in bold and shaded type exceed one or more of the listed MassDEP criteria.**  
EPH - Extractable Petroleum Hydrocarbons.  
PAHs - Polycyclic Aromatic Hydrocarbons.







**APPENDIX A**

**LABORATORY ANALYTICAL REPORTS**



## ANALYTICAL REPORT

Lab Number:	L2102136
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	James Doherty
Phone:	(978) 656-3680
Project Name:	ENBRIDGE KING'S COVE PARK
Project Number:	414883
Report Date:	01/25/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: ENBRIDGE KING'S COVE PARK

Project Number: 414883

Lab Number: L2102136

Report Date: 01/25/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2102136-01	B-601 (0-1')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/12/21 13:45	01/14/21
L2102136-02	B-601 (1-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/12/21 13:50	01/14/21
L2102136-03	B-601 (3-5')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/12/21 14:25	01/14/21
L2102136-04	B-602 (0-1')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/12/21 12:50	01/14/21
L2102136-05	B-602 (1-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/12/21 13:10	01/14/21
L2102136-06	B-603 (0-1')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/12/21 11:20	01/14/21
L2102136-07	B-603 (1-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/12/21 11:50	01/14/21
L2102136-08	B-604 (0-1')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/12/21 10:20	01/14/21
L2102136-09	B-604 (1-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/12/21 10:40	01/14/21
L2102136-10	B-605 (0-1')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/12/21 09:10	01/14/21
L2102136-11	B-605 (1-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/12/21 09:15	01/14/21
L2102136-12	B-606 (0-1')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/13/21 08:20	01/14/21
L2102136-13	B-606 (1-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/13/21 09:00	01/14/21
L2102136-14	UU-9A (0-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/13/21 10:05	01/14/21
L2102136-15	UU-9B (0-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/13/21 10:15	01/14/21
L2102136-16	UU-9B (3-6')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/13/21 10:20	01/14/21
L2102136-17	UU-8 (0-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/13/21 13:15	01/14/21
L2102136-18	UU-8 (3-4')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/13/21 13:20	01/14/21
L2102136-19	SS-119 (0-1')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/13/21 14:20	01/14/21
L2102136-20	SS-118 (0-1')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/13/21 14:25	01/14/21
L2102136-21	SS-118 (1-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 08:05	01/14/21
L2102136-22	SS-115 (0-1')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 08:50	01/14/21
L2102136-23	SS-115 (1-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 08:55	01/14/21
L2102136-24	UU-5 (0-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 09:35	01/14/21



<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2102136-25	UU-5 (3-6.5')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 09:50	01/14/21
L2102136-26	SS-112 (0-1')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 09:55	01/14/21
L2102136-27	SS-112 (1-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 10:00	01/14/21
L2102136-28	UU-2 (0-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 10:30	01/14/21
L2102136-29	SS-120 (0-1')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 10:35	01/14/21
L2102136-30	SS-120 (1-2')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 10:40	01/14/21
L2102136-31	UU-7 (0-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 11:15	01/14/21
L2102136-32	SS-121 (0-1')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 13:35	01/14/21
L2102136-33	SS-121 (1-2')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 13:40	01/14/21
L2102136-34	UU-4 (0-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 14:35	01/14/21
L2102136-35	UU-4 (3-7')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 14:45	01/14/21
L2102136-36	SS-122 (0-1')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 14:45	01/14/21
L2102136-37	SS-122 (1-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 14:50	01/14/21
L2102136-38	DUP-10	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/14/21 13:45	01/14/21

Project Name: ENBRIDGE KING'S COVE PARK

Lab Number: L2102136

Project Number: 414883

Report Date: 01/25/21

**MADEP MCP Response Action Analytical Report Certification**

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

<b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b>		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	YES
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES
<b>A response to questions G, H and I is required for "Presumptive Certainty" status</b>		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES
<b>For any questions answered "No", please refer to the case narrative section on the following page(s).</b>		

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



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102136  
**Report Date:** 01/25/21

### 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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

**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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

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**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102136  
**Report Date:** 01/25/21

### Case Narrative (continued)

#### MCP Related Narratives

##### Total Metals

In reference to question H:


The WG1455429-4/-5 MS/MSD recoveries, performed on L2102136-13, are outside the acceptance criteria for antimony (70%/64%), arsenic (24%/45%), cadmium (67%/71%), chromium (60%/74%), lead (58%/64%), nickel (64%/72%), selenium (MS 74%), silver (69%/70%), thallium (60%/51%), and zinc (52%/63%). Re-analysis of the MS yielded unacceptable recoveries for these elements in the range of 30-74% or >125%. The LCS recoveries are acceptable; therefore, no further action was taken.

The WG1455431-4 MS recovery, performed on L2102136-36, is outside the acceptance criteria for arsenic (142%). Re-analysis of the MS yielded an unacceptable recovery for arsenic in the range of 30-74% or >125%. The LCS recovery is acceptable; therefore, no further action was taken.

The WG1455429-6 serial dilution analysis, associated with L2102136-13, had a %D above the acceptance criteria for arsenic (35%), barium (34%), chromium (39%), and vanadium (39%).

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:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 01/25/21

## QC OUTLIER SUMMARY REPORT

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102136  
**Report Date:** 01/25/21

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD QC Limits (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
MCP Total Metals - Mansfield Lab								
6010D	Batch QC (L2102136-13)	WG1455429-4	Antimony, Total	MS	70	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-4	Arsenic, Total	MS	24	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-4	Cadmium, Total	MS	67	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-4	Chromium, Total	MS	60	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-4	Lead, Total	MS	58	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-4	Nickel, Total	MS	64	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-4	Selenium, Total	MS	74	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-4	Silver, Total	MS	69	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-4	Thallium, Total	MS	60	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-4	Zinc, Total	MS	52	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-5	Antimony, Total	MSD	64	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-5	Arsenic, Total	MSD	45	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-5	Cadmium, Total	MSD	71	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-5	Chromium, Total	MSD	74	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-5	Lead, Total	MSD	64	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-5	Nickel, Total	MSD	72	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-5	Silver, Total	MSD	70	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-5	Thallium, Total	MSD	51	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-5	Zinc, Total	MSD	63	75-125	01-20	potential low bias
6010D	Batch QC (L2102136-13)	WG1455429-6	Arsenic, Total	SERDIL	35	20	01-20	non-directional bias
6010D	Batch QC (L2102136-13)	WG1455429-6	Barium, Total	SERDIL	34	20	01-20	non-directional bias
6010D	Batch QC (L2102136-13)	WG1455429-6	Chromium, Total	SERDIL	39	20	01-20	non-directional bias
6010D	Batch QC (L2102136-13)	WG1455429-6	Vanadium, Total	SERDIL	39	20	01-20	non-directional bias
6010D	Batch QC (L2102136-36)	WG1455431-4	Arsenic, Total	MS	142	75-125	21-38	potential high bias

# ORGANICS

# PETROLEUM HYDROCARBONS

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-01  
 Client ID: B-601 (0-1')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/12/21 13:45  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/22/21 18:30  
 Analyst: MEO  
 Percent Solids: 91%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:22  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.20	--	1
C19-C36 Aliphatics	ND		mg/kg	7.20	--	1
C11-C22 Aromatics	ND		mg/kg	7.20	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.20	--	1
Naphthalene	ND		mg/kg	0.360	--	1
2-Methylnaphthalene	ND		mg/kg	0.360	--	1
Acenaphthylene	ND		mg/kg	0.360	--	1
Acenaphthene	ND		mg/kg	0.360	--	1
Fluorene	ND		mg/kg	0.360	--	1
Phenanthrene	ND		mg/kg	0.360	--	1
Anthracene	ND		mg/kg	0.360	--	1
Fluoranthene	ND		mg/kg	0.360	--	1
Pyrene	ND		mg/kg	0.360	--	1
Benzo(a)anthracene	ND		mg/kg	0.360	--	1
Chrysene	ND		mg/kg	0.360	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.360	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.360	--	1
Benzo(a)pyrene	ND		mg/kg	0.360	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.360	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.360	--	1
Benzo(ghi)perylene	ND		mg/kg	0.360	--	1



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-01

Date Collected: 01/12/21 13:45

Client ID: B-601 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	77		40-140
o-Terphenyl	69		40-140
2-Fluorobiphenyl	78		40-140
2-Bromonaphthalene	77		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-02  
 Client ID: B-601 (1-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/12/21 13:50  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 14:49  
 Analyst: MEO  
 Percent Solids: 81%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:22  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	14.1		mg/kg	7.79	--	1
C19-C36 Aliphatics	15.5		mg/kg	7.79	--	1
C11-C22 Aromatics	67.0		mg/kg	7.79	--	1
C11-C22 Aromatics, Adjusted	58.4		mg/kg	7.79	--	1
Naphthalene	ND		mg/kg	0.389	--	1
2-Methylnaphthalene	ND		mg/kg	0.389	--	1
Acenaphthylene	ND		mg/kg	0.389	--	1
Acenaphthene	ND		mg/kg	0.389	--	1
Fluorene	ND		mg/kg	0.389	--	1
Phenanthrene	1.13		mg/kg	0.389	--	1
Anthracene	ND		mg/kg	0.389	--	1
Fluoranthene	1.26		mg/kg	0.389	--	1
Pyrene	1.38		mg/kg	0.389	--	1
Benzo(a)anthracene	0.635		mg/kg	0.389	--	1
Chrysene	1.08		mg/kg	0.389	--	1
Benzo(b)fluoranthene	0.946		mg/kg	0.389	--	1
Benzo(k)fluoranthene	0.424		mg/kg	0.389	--	1
Benzo(a)pyrene	0.838		mg/kg	0.389	--	1
Indeno(1,2,3-cd)Pyrene	0.424		mg/kg	0.389	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.389	--	1
Benzo(ghi)perylene	0.521		mg/kg	0.389	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-02

Date Collected: 01/12/21 13:50

Client ID: B-601 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	46		40-140
o-Terphenyl	61		40-140
2-Fluorobiphenyl	79		40-140
2-Bromonaphthalene	85		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-03  
 Client ID: B-601 (3-5')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/12/21 14:25  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 15:24  
 Analyst: MEO  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:22  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	8.25	--	1
C19-C36 Aliphatics	13.5		mg/kg	8.25	--	1
C11-C22 Aromatics	50.4		mg/kg	8.25	--	1
C11-C22 Aromatics, Adjusted	44.1		mg/kg	8.25	--	1
Naphthalene	ND		mg/kg	0.412	--	1
2-Methylnaphthalene	ND		mg/kg	0.412	--	1
Acenaphthylene	ND		mg/kg	0.412	--	1
Acenaphthene	ND		mg/kg	0.412	--	1
Fluorene	ND		mg/kg	0.412	--	1
Phenanthrene	0.771		mg/kg	0.412	--	1
Anthracene	ND		mg/kg	0.412	--	1
Fluoranthene	0.972		mg/kg	0.412	--	1
Pyrene	1.03		mg/kg	0.412	--	1
Benzo(a)anthracene	0.552		mg/kg	0.412	--	1
Chrysene	0.830		mg/kg	0.412	--	1
Benzo(b)fluoranthene	0.796		mg/kg	0.412	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.412	--	1
Benzo(a)pyrene	0.871		mg/kg	0.412	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.412	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.412	--	1
Benzo(ghi)perylene	0.438		mg/kg	0.412	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-03

Date Collected: 01/12/21 14:25

Client ID: B-601 (3-5')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	68		40-140
o-Terphenyl	73		40-140
2-Fluorobiphenyl	84		40-140
2-Bromonaphthalene	87		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-04  
 Client ID: B-602 (0-1')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/12/21 12:50  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 15:58  
 Analyst: MEO  
 Percent Solids: 91%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:22  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.25	--	1
C19-C36 Aliphatics	ND		mg/kg	7.25	--	1
C11-C22 Aromatics	9.40		mg/kg	7.25	--	1
C11-C22 Aromatics, Adjusted	9.40		mg/kg	7.25	--	1
Naphthalene	ND		mg/kg	0.362	--	1
2-Methylnaphthalene	ND		mg/kg	0.362	--	1
Acenaphthylene	ND		mg/kg	0.362	--	1
Acenaphthene	ND		mg/kg	0.362	--	1
Fluorene	ND		mg/kg	0.362	--	1
Phenanthrene	ND		mg/kg	0.362	--	1
Anthracene	ND		mg/kg	0.362	--	1
Fluoranthene	ND		mg/kg	0.362	--	1
Pyrene	ND		mg/kg	0.362	--	1
Benzo(a)anthracene	ND		mg/kg	0.362	--	1
Chrysene	ND		mg/kg	0.362	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.362	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.362	--	1
Benzo(a)pyrene	ND		mg/kg	0.362	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.362	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.362	--	1
Benzo(ghi)perylene	ND		mg/kg	0.362	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-04

Date Collected: 01/12/21 12:50

Client ID: B-602 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		40-140
o-Terphenyl	73		40-140
2-Fluorobiphenyl	83		40-140
2-Bromonaphthalene	84		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-05  
 Client ID: B-602 (1-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/12/21 13:10  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 16:33  
 Analyst: MEO  
 Percent Solids: 77%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:22  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	8.36	--	1
C19-C36 Aliphatics	ND		mg/kg	8.36	--	1
C11-C22 Aromatics	8.79		mg/kg	8.36	--	1
C11-C22 Aromatics, Adjusted	8.79		mg/kg	8.36	--	1
Naphthalene	ND		mg/kg	0.418	--	1
2-Methylnaphthalene	ND		mg/kg	0.418	--	1
Acenaphthylene	ND		mg/kg	0.418	--	1
Acenaphthene	ND		mg/kg	0.418	--	1
Fluorene	ND		mg/kg	0.418	--	1
Phenanthrene	ND		mg/kg	0.418	--	1
Anthracene	ND		mg/kg	0.418	--	1
Fluoranthene	ND		mg/kg	0.418	--	1
Pyrene	ND		mg/kg	0.418	--	1
Benzo(a)anthracene	ND		mg/kg	0.418	--	1
Chrysene	ND		mg/kg	0.418	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.418	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.418	--	1
Benzo(a)pyrene	ND		mg/kg	0.418	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.418	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.418	--	1
Benzo(ghi)perylene	ND		mg/kg	0.418	--	1



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-05

Date Collected: 01/12/21 13:10

Client ID: B-602 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	74		40-140
o-Terphenyl	71		40-140
2-Fluorobiphenyl	84		40-140
2-Bromonaphthalene	82		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-06  
 Client ID: B-603 (0-1')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/12/21 11:20  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 17:08  
 Analyst: MEO  
 Percent Solids: 83%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:22  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.58	--	1
C19-C36 Aliphatics	ND		mg/kg	7.58	--	1
C11-C22 Aromatics	11.5		mg/kg	7.58	--	1
C11-C22 Aromatics, Adjusted	11.5		mg/kg	7.58	--	1
Naphthalene	ND		mg/kg	0.379	--	1
2-Methylnaphthalene	ND		mg/kg	0.379	--	1
Acenaphthylene	ND		mg/kg	0.379	--	1
Acenaphthene	ND		mg/kg	0.379	--	1
Fluorene	ND		mg/kg	0.379	--	1
Phenanthrene	ND		mg/kg	0.379	--	1
Anthracene	ND		mg/kg	0.379	--	1
Fluoranthene	ND		mg/kg	0.379	--	1
Pyrene	ND		mg/kg	0.379	--	1
Benzo(a)anthracene	ND		mg/kg	0.379	--	1
Chrysene	ND		mg/kg	0.379	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.379	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.379	--	1
Benzo(a)pyrene	ND		mg/kg	0.379	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.379	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.379	--	1
Benzo(ghi)perylene	ND		mg/kg	0.379	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-06

Date Collected: 01/12/21 11:20

Client ID: B-603 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		40-140
o-Terphenyl	80		40-140
2-Fluorobiphenyl	96		40-140
2-Bromonaphthalene	97		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-07  
 Client ID: B-603 (1-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/12/21 11:50  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 17:42  
 Analyst: MEO  
 Percent Solids: 81%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:22  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	8.66		mg/kg	7.90	--	1
C19-C36 Aliphatics	ND		mg/kg	7.90	--	1
C11-C22 Aromatics	38.3		mg/kg	7.90	--	1
C11-C22 Aromatics, Adjusted	31.5		mg/kg	7.90	--	1
Naphthalene	ND		mg/kg	0.395	--	1
2-Methylnaphthalene	ND		mg/kg	0.395	--	1
Acenaphthylene	ND		mg/kg	0.395	--	1
Acenaphthene	ND		mg/kg	0.395	--	1
Fluorene	ND		mg/kg	0.395	--	1
Phenanthrene	0.775		mg/kg	0.395	--	1
Anthracene	ND		mg/kg	0.395	--	1
Fluoranthene	1.06		mg/kg	0.395	--	1
Pyrene	1.28		mg/kg	0.395	--	1
Benzo(a)anthracene	0.581		mg/kg	0.395	--	1
Chrysene	0.813		mg/kg	0.395	--	1
Benzo(b)fluoranthene	0.739		mg/kg	0.395	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.395	--	1
Benzo(a)pyrene	0.653		mg/kg	0.395	--	1
Indeno(1,2,3-cd)Pyrene	0.428		mg/kg	0.395	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.395	--	1
Benzo(ghi)perylene	0.430		mg/kg	0.395	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-07

Date Collected: 01/12/21 11:50

Client ID: B-603 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	72		40-140
o-Terphenyl	77		40-140
2-Fluorobiphenyl	90		40-140
2-Bromonaphthalene	94		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-08  
 Client ID: B-604 (0-1')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/12/21 10:20  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 18:17  
 Analyst: MEO  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:22  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.53	--	1
C19-C36 Aliphatics	ND		mg/kg	7.53	--	1
C11-C22 Aromatics	10.4		mg/kg	7.53	--	1
C11-C22 Aromatics, Adjusted	10.4		mg/kg	7.53	--	1
Naphthalene	ND		mg/kg	0.376	--	1
2-Methylnaphthalene	ND		mg/kg	0.376	--	1
Acenaphthylene	ND		mg/kg	0.376	--	1
Acenaphthene	ND		mg/kg	0.376	--	1
Fluorene	ND		mg/kg	0.376	--	1
Phenanthrene	ND		mg/kg	0.376	--	1
Anthracene	ND		mg/kg	0.376	--	1
Fluoranthene	ND		mg/kg	0.376	--	1
Pyrene	ND		mg/kg	0.376	--	1
Benzo(a)anthracene	ND		mg/kg	0.376	--	1
Chrysene	ND		mg/kg	0.376	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.376	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.376	--	1
Benzo(a)pyrene	ND		mg/kg	0.376	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.376	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.376	--	1
Benzo(ghi)perylene	ND		mg/kg	0.376	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-08

Date Collected: 01/12/21 10:20

Client ID: B-604 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	71		40-140
o-Terphenyl	67		40-140
2-Fluorobiphenyl	81		40-140
2-Bromonaphthalene	81		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-09  
 Client ID: B-604 (1-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/12/21 10:40  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 18:51  
 Analyst: MEO  
 Percent Solids: 92%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:22  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.08	--	1
C19-C36 Aliphatics	ND		mg/kg	7.08	--	1
C11-C22 Aromatics	8.46		mg/kg	7.08	--	1
C11-C22 Aromatics, Adjusted	8.46		mg/kg	7.08	--	1
Naphthalene	ND		mg/kg	0.354	--	1
2-Methylnaphthalene	ND		mg/kg	0.354	--	1
Acenaphthylene	ND		mg/kg	0.354	--	1
Acenaphthene	ND		mg/kg	0.354	--	1
Fluorene	ND		mg/kg	0.354	--	1
Phenanthrene	ND		mg/kg	0.354	--	1
Anthracene	ND		mg/kg	0.354	--	1
Fluoranthene	ND		mg/kg	0.354	--	1
Pyrene	ND		mg/kg	0.354	--	1
Benzo(a)anthracene	ND		mg/kg	0.354	--	1
Chrysene	ND		mg/kg	0.354	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.354	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.354	--	1
Benzo(a)pyrene	ND		mg/kg	0.354	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.354	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.354	--	1
Benzo(ghi)perylene	ND		mg/kg	0.354	--	1



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-09

Date Collected: 01/12/21 10:40

Client ID: B-604 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	78		40-140
o-Terphenyl	75		40-140
2-Fluorobiphenyl	81		40-140
2-Bromonaphthalene	83		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-10  
 Client ID: B-605 (0-1')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/12/21 09:10  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 17:09  
 Analyst: MEO  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:22  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.57	--	1
C19-C36 Aliphatics	ND		mg/kg	7.57	--	1
C11-C22 Aromatics	8.92		mg/kg	7.57	--	1
C11-C22 Aromatics, Adjusted	8.92		mg/kg	7.57	--	1
Naphthalene	ND		mg/kg	0.378	--	1
2-Methylnaphthalene	ND		mg/kg	0.378	--	1
Acenaphthylene	ND		mg/kg	0.378	--	1
Acenaphthene	ND		mg/kg	0.378	--	1
Fluorene	ND		mg/kg	0.378	--	1
Phenanthrene	ND		mg/kg	0.378	--	1
Anthracene	ND		mg/kg	0.378	--	1
Fluoranthene	ND		mg/kg	0.378	--	1
Pyrene	ND		mg/kg	0.378	--	1
Benzo(a)anthracene	ND		mg/kg	0.378	--	1
Chrysene	ND		mg/kg	0.378	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.378	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.378	--	1
Benzo(a)pyrene	ND		mg/kg	0.378	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.378	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.378	--	1
Benzo(ghi)perylene	ND		mg/kg	0.378	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-10

Date Collected: 01/12/21 09:10

Client ID: B-605 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	67		40-140
o-Terphenyl	70		40-140
2-Fluorobiphenyl	86		40-140
2-Bromonaphthalene	86		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-11  
 Client ID: B-605 (1-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/12/21 09:15  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 17:33  
 Analyst: MEO  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:23  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	7.80		mg/kg	7.39	--	1
C19-C36 Aliphatics	20.4		mg/kg	7.39	--	1
C11-C22 Aromatics	29.9		mg/kg	7.39	--	1
C11-C22 Aromatics, Adjusted	29.1		mg/kg	7.39	--	1
Naphthalene	ND		mg/kg	0.369	--	1
2-Methylnaphthalene	ND		mg/kg	0.369	--	1
Acenaphthylene	ND		mg/kg	0.369	--	1
Acenaphthene	ND		mg/kg	0.369	--	1
Fluorene	ND		mg/kg	0.369	--	1
Phenanthrene	0.392		mg/kg	0.369	--	1
Anthracene	ND		mg/kg	0.369	--	1
Fluoranthene	ND		mg/kg	0.369	--	1
Pyrene	0.400		mg/kg	0.369	--	1
Benzo(a)anthracene	ND		mg/kg	0.369	--	1
Chrysene	ND		mg/kg	0.369	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.369	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.369	--	1
Benzo(a)pyrene	ND		mg/kg	0.369	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.369	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.369	--	1
Benzo(ghi)perylene	ND		mg/kg	0.369	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-11

Date Collected: 01/12/21 09:15

Client ID: B-605 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	74		40-140
o-Terphenyl	74		40-140
2-Fluorobiphenyl	84		40-140
2-Bromonaphthalene	87		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-12  
 Client ID: B-606 (0-1')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/13/21 08:20  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 17:57  
 Analyst: MEO  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:23  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.33	--	1
C19-C36 Aliphatics	ND		mg/kg	7.33	--	1
C11-C22 Aromatics	ND		mg/kg	7.33	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.33	--	1
Naphthalene	ND		mg/kg	0.366	--	1
2-Methylnaphthalene	ND		mg/kg	0.366	--	1
Acenaphthylene	ND		mg/kg	0.366	--	1
Acenaphthene	ND		mg/kg	0.366	--	1
Fluorene	ND		mg/kg	0.366	--	1
Phenanthrene	ND		mg/kg	0.366	--	1
Anthracene	ND		mg/kg	0.366	--	1
Fluoranthene	ND		mg/kg	0.366	--	1
Pyrene	ND		mg/kg	0.366	--	1
Benzo(a)anthracene	ND		mg/kg	0.366	--	1
Chrysene	ND		mg/kg	0.366	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.366	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.366	--	1
Benzo(a)pyrene	ND		mg/kg	0.366	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.366	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.366	--	1
Benzo(ghi)perylene	ND		mg/kg	0.366	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-12

Date Collected: 01/13/21 08:20

Client ID: B-606 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	70		40-140
o-Terphenyl	71		40-140
2-Fluorobiphenyl	88		40-140
2-Bromonaphthalene	88		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-13  
 Client ID: B-606 (1-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/13/21 09:00  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 15:33  
 Analyst: MEO  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:23  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	9.24		mg/kg	8.13	--	1
C19-C36 Aliphatics	22.5		mg/kg	8.13	--	1
C11-C22 Aromatics	35.6		mg/kg	8.13	--	1
C11-C22 Aromatics, Adjusted	31.9		mg/kg	8.13	--	1
Naphthalene	0.424		mg/kg	0.407	--	1
2-Methylnaphthalene	ND		mg/kg	0.407	--	1
Acenaphthylene	ND		mg/kg	0.407	--	1
Acenaphthene	ND		mg/kg	0.407	--	1
Fluorene	ND		mg/kg	0.407	--	1
Phenanthrene	0.798		mg/kg	0.407	--	1
Anthracene	ND		mg/kg	0.407	--	1
Fluoranthene	0.714		mg/kg	0.407	--	1
Pyrene	0.736		mg/kg	0.407	--	1
Benzo(a)anthracene	ND		mg/kg	0.407	--	1
Chrysene	0.516		mg/kg	0.407	--	1
Benzo(b)fluoranthene	0.450		mg/kg	0.407	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.407	--	1
Benzo(a)pyrene	ND		mg/kg	0.407	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.407	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.407	--	1
Benzo(ghi)perylene	ND		mg/kg	0.407	--	1



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-13

Date Collected: 01/13/21 09:00

Client ID: B-606 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	68		40-140
o-Terphenyl	71		40-140
2-Fluorobiphenyl	91		40-140
2-Bromonaphthalene	93		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-14  
 Client ID: UU-9A (0-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/13/21 10:05  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 18:21  
 Analyst: MEO  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:23  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.16	--	1
C19-C36 Aliphatics	ND		mg/kg	7.16	--	1
C11-C22 Aromatics	ND		mg/kg	7.16	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.16	--	1
Naphthalene	ND		mg/kg	0.358	--	1
2-Methylnaphthalene	ND		mg/kg	0.358	--	1
Acenaphthylene	ND		mg/kg	0.358	--	1
Acenaphthene	ND		mg/kg	0.358	--	1
Fluorene	ND		mg/kg	0.358	--	1
Phenanthrene	ND		mg/kg	0.358	--	1
Anthracene	ND		mg/kg	0.358	--	1
Fluoranthene	ND		mg/kg	0.358	--	1
Pyrene	ND		mg/kg	0.358	--	1
Benzo(a)anthracene	ND		mg/kg	0.358	--	1
Chrysene	ND		mg/kg	0.358	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.358	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.358	--	1
Benzo(a)pyrene	ND		mg/kg	0.358	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.358	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.358	--	1
Benzo(ghi)perylene	ND		mg/kg	0.358	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-14

Date Collected: 01/13/21 10:05

Client ID: UU-9A (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	72		40-140
o-Terphenyl	72		40-140
2-Fluorobiphenyl	89		40-140
2-Bromonaphthalene	89		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-15  
 Client ID: UU-9B (0-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/13/21 10:15  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 18:45  
 Analyst: MEO  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:23  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.45	--	1
C19-C36 Aliphatics	8.06		mg/kg	7.45	--	1
C11-C22 Aromatics	13.9		mg/kg	7.45	--	1
C11-C22 Aromatics, Adjusted	12.3		mg/kg	7.45	--	1
Naphthalene	ND		mg/kg	0.372	--	1
2-Methylnaphthalene	ND		mg/kg	0.372	--	1
Acenaphthylene	ND		mg/kg	0.372	--	1
Acenaphthene	ND		mg/kg	0.372	--	1
Fluorene	ND		mg/kg	0.372	--	1
Phenanthrene	0.615		mg/kg	0.372	--	1
Anthracene	ND		mg/kg	0.372	--	1
Fluoranthene	0.565		mg/kg	0.372	--	1
Pyrene	0.501		mg/kg	0.372	--	1
Benzo(a)anthracene	ND		mg/kg	0.372	--	1
Chrysene	ND		mg/kg	0.372	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.372	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.372	--	1
Benzo(a)pyrene	ND		mg/kg	0.372	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.372	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.372	--	1
Benzo(ghi)perylene	ND		mg/kg	0.372	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-15

Date Collected: 01/13/21 10:15

Client ID: UU-9B (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	70		40-140
o-Terphenyl	75		40-140
2-Fluorobiphenyl	90		40-140
2-Bromonaphthalene	90		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-16  
 Client ID: UU-9B (3-6')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/13/21 10:20  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 19:10  
 Analyst: MEO  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:23  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.33	--	1
C19-C36 Aliphatics	13.5		mg/kg	7.33	--	1
C11-C22 Aromatics	9.53		mg/kg	7.33	--	1
C11-C22 Aromatics, Adjusted	9.53		mg/kg	7.33	--	1
Naphthalene	ND		mg/kg	0.367	--	1
2-Methylnaphthalene	ND		mg/kg	0.367	--	1
Acenaphthylene	ND		mg/kg	0.367	--	1
Acenaphthene	ND		mg/kg	0.367	--	1
Fluorene	ND		mg/kg	0.367	--	1
Phenanthrene	ND		mg/kg	0.367	--	1
Anthracene	ND		mg/kg	0.367	--	1
Fluoranthene	ND		mg/kg	0.367	--	1
Pyrene	ND		mg/kg	0.367	--	1
Benzo(a)anthracene	ND		mg/kg	0.367	--	1
Chrysene	ND		mg/kg	0.367	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.367	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.367	--	1
Benzo(a)pyrene	ND		mg/kg	0.367	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.367	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.367	--	1
Benzo(ghi)perylene	ND		mg/kg	0.367	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-16

Date Collected: 01/13/21 10:20

Client ID: UU-9B (3-6')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	72		40-140
o-Terphenyl	70		40-140
2-Fluorobiphenyl	89		40-140
2-Bromonaphthalene	89		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-17  
 Client ID: UU-8 (0-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/13/21 13:15  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 19:34  
 Analyst: MEO  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:23  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.31	--	1
C19-C36 Aliphatics	ND		mg/kg	7.31	--	1
C11-C22 Aromatics	13.0		mg/kg	7.31	--	1
C11-C22 Aromatics, Adjusted	11.0		mg/kg	7.31	--	1
Naphthalene	ND		mg/kg	0.365	--	1
2-Methylnaphthalene	ND		mg/kg	0.365	--	1
Acenaphthylene	ND		mg/kg	0.365	--	1
Acenaphthene	ND		mg/kg	0.365	--	1
Fluorene	ND		mg/kg	0.365	--	1
Phenanthrene	0.662		mg/kg	0.365	--	1
Anthracene	ND		mg/kg	0.365	--	1
Fluoranthene	0.684		mg/kg	0.365	--	1
Pyrene	0.599		mg/kg	0.365	--	1
Benzo(a)anthracene	ND		mg/kg	0.365	--	1
Chrysene	ND		mg/kg	0.365	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.365	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.365	--	1
Benzo(a)pyrene	ND		mg/kg	0.365	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.365	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.365	--	1
Benzo(ghi)perylene	ND		mg/kg	0.365	--	1



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-17

Date Collected: 01/13/21 13:15

Client ID: UU-8 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	66		40-140
o-Terphenyl	65		40-140
2-Fluorobiphenyl	88		40-140
2-Bromonaphthalene	89		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-18  
 Client ID: UU-8 (3-4')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/13/21 13:20  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 19:58  
 Analyst: MEO  
 Percent Solids: 96%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:23  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	6.75	--	1
C19-C36 Aliphatics	ND		mg/kg	6.75	--	1
C11-C22 Aromatics	ND		mg/kg	6.75	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.75	--	1
Naphthalene	ND		mg/kg	0.337	--	1
2-Methylnaphthalene	ND		mg/kg	0.337	--	1
Acenaphthylene	ND		mg/kg	0.337	--	1
Acenaphthene	ND		mg/kg	0.337	--	1
Fluorene	ND		mg/kg	0.337	--	1
Phenanthrene	ND		mg/kg	0.337	--	1
Anthracene	ND		mg/kg	0.337	--	1
Fluoranthene	ND		mg/kg	0.337	--	1
Pyrene	ND		mg/kg	0.337	--	1
Benzo(a)anthracene	ND		mg/kg	0.337	--	1
Chrysene	ND		mg/kg	0.337	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.337	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.337	--	1
Benzo(a)pyrene	ND		mg/kg	0.337	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.337	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.337	--	1
Benzo(ghi)perylene	ND		mg/kg	0.337	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-18

Date Collected: 01/13/21 13:20

Client ID: UU-8 (3-4')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	76		40-140
o-Terphenyl	76		40-140
2-Fluorobiphenyl	90		40-140
2-Bromonaphthalene	89		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-19  
 Client ID: SS-119 (0-1')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/13/21 14:20  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 20:22  
 Analyst: MEO  
 Percent Solids: 93%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:23  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	6.82	--	1
C19-C36 Aliphatics	ND		mg/kg	6.82	--	1
C11-C22 Aromatics	ND		mg/kg	6.82	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.82	--	1
Naphthalene	ND		mg/kg	0.341	--	1
2-Methylnaphthalene	ND		mg/kg	0.341	--	1
Acenaphthylene	ND		mg/kg	0.341	--	1
Acenaphthene	ND		mg/kg	0.341	--	1
Fluorene	ND		mg/kg	0.341	--	1
Phenanthrene	ND		mg/kg	0.341	--	1
Anthracene	ND		mg/kg	0.341	--	1
Fluoranthene	ND		mg/kg	0.341	--	1
Pyrene	ND		mg/kg	0.341	--	1
Benzo(a)anthracene	ND		mg/kg	0.341	--	1
Chrysene	ND		mg/kg	0.341	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.341	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.341	--	1
Benzo(a)pyrene	ND		mg/kg	0.341	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.341	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.341	--	1
Benzo(ghi)perylene	ND		mg/kg	0.341	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-19

Date Collected: 01/13/21 14:20

Client ID: SS-119 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	74		40-140
o-Terphenyl	71		40-140
2-Fluorobiphenyl	89		40-140
2-Bromonaphthalene	88		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-20  
 Client ID: SS-118 (0-1')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/13/21 14:25  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/19/21 20:46  
 Analyst: MEO  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:23  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.35	--	1
C19-C36 Aliphatics	ND		mg/kg	7.35	--	1
C11-C22 Aromatics	ND		mg/kg	7.35	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.35	--	1
Naphthalene	ND		mg/kg	0.367	--	1
2-Methylnaphthalene	ND		mg/kg	0.367	--	1
Acenaphthylene	ND		mg/kg	0.367	--	1
Acenaphthene	ND		mg/kg	0.367	--	1
Fluorene	ND		mg/kg	0.367	--	1
Phenanthrene	ND		mg/kg	0.367	--	1
Anthracene	ND		mg/kg	0.367	--	1
Fluoranthene	ND		mg/kg	0.367	--	1
Pyrene	ND		mg/kg	0.367	--	1
Benzo(a)anthracene	ND		mg/kg	0.367	--	1
Chrysene	ND		mg/kg	0.367	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.367	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.367	--	1
Benzo(a)pyrene	ND		mg/kg	0.367	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.367	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.367	--	1
Benzo(ghi)perylene	ND		mg/kg	0.367	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-20

Date Collected: 01/13/21 14:25

Client ID: SS-118 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	68		40-140
o-Terphenyl	69		40-140
2-Fluorobiphenyl	86		40-140
2-Bromonaphthalene	86		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-21  
 Client ID: SS-118 (1-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 08:05  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 07:50  
 Analyst: MEO  
 Percent Solids: 91%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:29  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.22	--	1
C19-C36 Aliphatics	7.55		mg/kg	7.22	--	1
C11-C22 Aromatics	10.8		mg/kg	7.22	--	1
C11-C22 Aromatics, Adjusted	10.8		mg/kg	7.22	--	1
Naphthalene	ND		mg/kg	0.361	--	1
2-Methylnaphthalene	ND		mg/kg	0.361	--	1
Acenaphthylene	ND		mg/kg	0.361	--	1
Acenaphthene	ND		mg/kg	0.361	--	1
Fluorene	ND		mg/kg	0.361	--	1
Phenanthrene	ND		mg/kg	0.361	--	1
Anthracene	ND		mg/kg	0.361	--	1
Fluoranthene	ND		mg/kg	0.361	--	1
Pyrene	ND		mg/kg	0.361	--	1
Benzo(a)anthracene	ND		mg/kg	0.361	--	1
Chrysene	ND		mg/kg	0.361	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.361	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.361	--	1
Benzo(a)pyrene	ND		mg/kg	0.361	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.361	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.361	--	1
Benzo(ghi)perylene	ND		mg/kg	0.361	--	1



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-21  
 Client ID: SS-118 (1-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 08:05  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	61		40-140
o-Terphenyl	64		40-140
2-Fluorobiphenyl	81		40-140
2-Bromonaphthalene	81		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-22  
 Client ID: SS-115 (0-1')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 08:50  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 11:51  
 Analyst: MEO  
 Percent Solids: 82%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:29  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	8.04	--	1
C19-C36 Aliphatics	11.3		mg/kg	8.04	--	1
C11-C22 Aromatics	28.8		mg/kg	8.04	--	1
C11-C22 Aromatics, Adjusted	25.5		mg/kg	8.04	--	1
Naphthalene	ND		mg/kg	0.402	--	1
2-Methylnaphthalene	ND		mg/kg	0.402	--	1
Acenaphthylene	ND		mg/kg	0.402	--	1
Acenaphthene	ND		mg/kg	0.402	--	1
Fluorene	ND		mg/kg	0.402	--	1
Phenanthrene	0.421		mg/kg	0.402	--	1
Anthracene	ND		mg/kg	0.402	--	1
Fluoranthene	0.716		mg/kg	0.402	--	1
Pyrene	0.753		mg/kg	0.402	--	1
Benzo(a)anthracene	0.427		mg/kg	0.402	--	1
Chrysene	0.512		mg/kg	0.402	--	1
Benzo(b)fluoranthene	0.493		mg/kg	0.402	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.402	--	1
Benzo(a)pyrene	ND		mg/kg	0.402	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.402	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.402	--	1
Benzo(ghi)perylene	ND		mg/kg	0.402	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-22

Date Collected: 01/14/21 08:50

Client ID: SS-115 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	54		40-140
o-Terphenyl	60		40-140
2-Fluorobiphenyl	84		40-140
2-Bromonaphthalene	84		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-23  
 Client ID: SS-115 (1-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 08:55  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 07:26  
 Analyst: MEO  
 Percent Solids: 94%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:29  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	6.96	--	1
C19-C36 Aliphatics	ND		mg/kg	6.96	--	1
C11-C22 Aromatics	ND		mg/kg	6.96	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.96	--	1
Naphthalene	ND		mg/kg	0.348	--	1
2-Methylnaphthalene	ND		mg/kg	0.348	--	1
Acenaphthylene	ND		mg/kg	0.348	--	1
Acenaphthene	ND		mg/kg	0.348	--	1
Fluorene	ND		mg/kg	0.348	--	1
Phenanthrene	ND		mg/kg	0.348	--	1
Anthracene	ND		mg/kg	0.348	--	1
Fluoranthene	ND		mg/kg	0.348	--	1
Pyrene	ND		mg/kg	0.348	--	1
Benzo(a)anthracene	ND		mg/kg	0.348	--	1
Chrysene	ND		mg/kg	0.348	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.348	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.348	--	1
Benzo(a)pyrene	ND		mg/kg	0.348	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.348	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.348	--	1
Benzo(ghi)perylene	ND		mg/kg	0.348	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-23

Date Collected: 01/14/21 08:55

Client ID: SS-115 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	63		40-140
o-Terphenyl	71		40-140
2-Fluorobiphenyl	87		40-140
2-Bromonaphthalene	88		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-24  
 Client ID: UU-5 (0-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 09:35  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 08:14  
 Analyst: MEO  
 Percent Solids: 73%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:29  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	8.86	--	1
C19-C36 Aliphatics	ND		mg/kg	8.86	--	1
C11-C22 Aromatics	14.7		mg/kg	8.86	--	1
C11-C22 Aromatics, Adjusted	14.7		mg/kg	8.86	--	1
Naphthalene	ND		mg/kg	0.443	--	1
2-Methylnaphthalene	ND		mg/kg	0.443	--	1
Acenaphthylene	ND		mg/kg	0.443	--	1
Acenaphthene	ND		mg/kg	0.443	--	1
Fluorene	ND		mg/kg	0.443	--	1
Phenanthrene	ND		mg/kg	0.443	--	1
Anthracene	ND		mg/kg	0.443	--	1
Fluoranthene	ND		mg/kg	0.443	--	1
Pyrene	ND		mg/kg	0.443	--	1
Benzo(a)anthracene	ND		mg/kg	0.443	--	1
Chrysene	ND		mg/kg	0.443	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.443	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.443	--	1
Benzo(a)pyrene	ND		mg/kg	0.443	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.443	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.443	--	1
Benzo(ghi)perylene	ND		mg/kg	0.443	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-24

Date Collected: 01/14/21 09:35

Client ID: UU-5 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	58		40-140
o-Terphenyl	65		40-140
2-Fluorobiphenyl	80		40-140
2-Bromonaphthalene	82		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-25  
 Client ID: UU-5 (3-6.5')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 09:50  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 08:39  
 Analyst: MEO  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:29  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	10.6		mg/kg	8.35	--	1
C19-C36 Aliphatics	14.4		mg/kg	8.35	--	1
C11-C22 Aromatics	31.4		mg/kg	8.35	--	1
C11-C22 Aromatics, Adjusted	31.4		mg/kg	8.35	--	1
Naphthalene	ND		mg/kg	0.418	--	1
2-Methylnaphthalene	ND		mg/kg	0.418	--	1
Acenaphthylene	ND		mg/kg	0.418	--	1
Acenaphthene	ND		mg/kg	0.418	--	1
Fluorene	ND		mg/kg	0.418	--	1
Phenanthrene	ND		mg/kg	0.418	--	1
Anthracene	ND		mg/kg	0.418	--	1
Fluoranthene	ND		mg/kg	0.418	--	1
Pyrene	ND		mg/kg	0.418	--	1
Benzo(a)anthracene	ND		mg/kg	0.418	--	1
Chrysene	ND		mg/kg	0.418	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.418	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.418	--	1
Benzo(a)pyrene	ND		mg/kg	0.418	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.418	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.418	--	1
Benzo(ghi)perylene	ND		mg/kg	0.418	--	1



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-25

Date Collected: 01/14/21 09:50

Client ID: UU-5 (3-6.5')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	55		40-140
o-Terphenyl	62		40-140
2-Fluorobiphenyl	86		40-140
2-Bromonaphthalene	89		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-26  
 Client ID: SS-112 (0-1')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 09:55  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 06:14  
 Analyst: MEO  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:29  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.26	--	1
C19-C36 Aliphatics	ND		mg/kg	7.26	--	1
C11-C22 Aromatics	10.3		mg/kg	7.26	--	1
C11-C22 Aromatics, Adjusted	10.3		mg/kg	7.26	--	1
Naphthalene	ND		mg/kg	0.363	--	1
2-Methylnaphthalene	ND		mg/kg	0.363	--	1
Acenaphthylene	ND		mg/kg	0.363	--	1
Acenaphthene	ND		mg/kg	0.363	--	1
Fluorene	ND		mg/kg	0.363	--	1
Phenanthrene	ND		mg/kg	0.363	--	1
Anthracene	ND		mg/kg	0.363	--	1
Fluoranthene	ND		mg/kg	0.363	--	1
Pyrene	ND		mg/kg	0.363	--	1
Benzo(a)anthracene	ND		mg/kg	0.363	--	1
Chrysene	ND		mg/kg	0.363	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.363	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.363	--	1
Benzo(a)pyrene	ND		mg/kg	0.363	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.363	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.363	--	1
Benzo(ghi)perylene	ND		mg/kg	0.363	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-26

Date Collected: 01/14/21 09:55

Client ID: SS-112 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	56		40-140
o-Terphenyl	61		40-140
2-Fluorobiphenyl	84		40-140
2-Bromonaphthalene	85		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-27  
 Client ID: SS-112 (1-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 10:00  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 06:38  
 Analyst: MEO  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:29  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.26	--	1
C19-C36 Aliphatics	ND		mg/kg	7.26	--	1
C11-C22 Aromatics	ND		mg/kg	7.26	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.26	--	1
Naphthalene	ND		mg/kg	0.363	--	1
2-Methylnaphthalene	ND		mg/kg	0.363	--	1
Acenaphthylene	ND		mg/kg	0.363	--	1
Acenaphthene	ND		mg/kg	0.363	--	1
Fluorene	ND		mg/kg	0.363	--	1
Phenanthrene	ND		mg/kg	0.363	--	1
Anthracene	ND		mg/kg	0.363	--	1
Fluoranthene	ND		mg/kg	0.363	--	1
Pyrene	ND		mg/kg	0.363	--	1
Benzo(a)anthracene	ND		mg/kg	0.363	--	1
Chrysene	ND		mg/kg	0.363	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.363	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.363	--	1
Benzo(a)pyrene	ND		mg/kg	0.363	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.363	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.363	--	1
Benzo(ghi)perylene	ND		mg/kg	0.363	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-27

Date Collected: 01/14/21 10:00

Client ID: SS-112 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	61		40-140
o-Terphenyl	68		40-140
2-Fluorobiphenyl	86		40-140
2-Bromonaphthalene	86		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-28  
 Client ID: UU-2 (0-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 10:30  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 07:02  
 Analyst: MEO  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:29  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.52	--	1
C19-C36 Aliphatics	ND		mg/kg	7.52	--	1
C11-C22 Aromatics	12.7		mg/kg	7.52	--	1
C11-C22 Aromatics, Adjusted	12.7		mg/kg	7.52	--	1
Naphthalene	ND		mg/kg	0.376	--	1
2-Methylnaphthalene	ND		mg/kg	0.376	--	1
Acenaphthylene	ND		mg/kg	0.376	--	1
Acenaphthene	ND		mg/kg	0.376	--	1
Fluorene	ND		mg/kg	0.376	--	1
Phenanthrene	ND		mg/kg	0.376	--	1
Anthracene	ND		mg/kg	0.376	--	1
Fluoranthene	ND		mg/kg	0.376	--	1
Pyrene	ND		mg/kg	0.376	--	1
Benzo(a)anthracene	ND		mg/kg	0.376	--	1
Chrysene	ND		mg/kg	0.376	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.376	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.376	--	1
Benzo(a)pyrene	ND		mg/kg	0.376	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.376	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.376	--	1
Benzo(ghi)perylene	ND		mg/kg	0.376	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-28

Date Collected: 01/14/21 10:30

Client ID: UU-2 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	57		40-140
o-Terphenyl	63		40-140
2-Fluorobiphenyl	85		40-140
2-Bromonaphthalene	86		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-29  
 Client ID: SS-120 (0-1')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 10:35  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 10:15  
 Analyst: MEO  
 Percent Solids: 82%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:29  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.77	--	1
C19-C36 Aliphatics	8.22		mg/kg	7.77	--	1
C11-C22 Aromatics	14.8		mg/kg	7.77	--	1
C11-C22 Aromatics, Adjusted	14.8		mg/kg	7.77	--	1
Naphthalene	ND		mg/kg	0.388	--	1
2-Methylnaphthalene	ND		mg/kg	0.388	--	1
Acenaphthylene	ND		mg/kg	0.388	--	1
Acenaphthene	ND		mg/kg	0.388	--	1
Fluorene	ND		mg/kg	0.388	--	1
Phenanthrene	ND		mg/kg	0.388	--	1
Anthracene	ND		mg/kg	0.388	--	1
Fluoranthene	ND		mg/kg	0.388	--	1
Pyrene	ND		mg/kg	0.388	--	1
Benzo(a)anthracene	ND		mg/kg	0.388	--	1
Chrysene	ND		mg/kg	0.388	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.388	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.388	--	1
Benzo(a)pyrene	ND		mg/kg	0.388	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.388	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.388	--	1
Benzo(ghi)perylene	ND		mg/kg	0.388	--	1



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-29

Date Collected: 01/14/21 10:35

Client ID: SS-120 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	63		40-140
o-Terphenyl	64		40-140
2-Fluorobiphenyl	84		40-140
2-Bromonaphthalene	83		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-30  
 Client ID: SS-120 (1-2')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 10:40  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 09:27  
 Analyst: MEO  
 Percent Solids: 91%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:29  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.05	--	1
C19-C36 Aliphatics	ND		mg/kg	7.05	--	1
C11-C22 Aromatics	ND		mg/kg	7.05	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.05	--	1
Naphthalene	ND		mg/kg	0.352	--	1
2-Methylnaphthalene	ND		mg/kg	0.352	--	1
Acenaphthylene	ND		mg/kg	0.352	--	1
Acenaphthene	ND		mg/kg	0.352	--	1
Fluorene	ND		mg/kg	0.352	--	1
Phenanthrene	ND		mg/kg	0.352	--	1
Anthracene	ND		mg/kg	0.352	--	1
Fluoranthene	ND		mg/kg	0.352	--	1
Pyrene	ND		mg/kg	0.352	--	1
Benzo(a)anthracene	ND		mg/kg	0.352	--	1
Chrysene	ND		mg/kg	0.352	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.352	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.352	--	1
Benzo(a)pyrene	ND		mg/kg	0.352	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.352	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.352	--	1
Benzo(ghi)perylene	ND		mg/kg	0.352	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-30

Date Collected: 01/14/21 10:40

Client ID: SS-120 (1-2')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	61		40-140
o-Terphenyl	65		40-140
2-Fluorobiphenyl	78		40-140
2-Bromonaphthalene	79		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-31  
 Client ID: UU-7 (0-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 11:15  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 09:51  
 Analyst: MEO  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:30  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.35	--	1
C19-C36 Aliphatics	ND		mg/kg	7.35	--	1
C11-C22 Aromatics	9.35		mg/kg	7.35	--	1
C11-C22 Aromatics, Adjusted	9.35		mg/kg	7.35	--	1
Naphthalene	ND		mg/kg	0.368	--	1
2-Methylnaphthalene	ND		mg/kg	0.368	--	1
Acenaphthylene	ND		mg/kg	0.368	--	1
Acenaphthene	ND		mg/kg	0.368	--	1
Fluorene	ND		mg/kg	0.368	--	1
Phenanthrene	ND		mg/kg	0.368	--	1
Anthracene	ND		mg/kg	0.368	--	1
Fluoranthene	ND		mg/kg	0.368	--	1
Pyrene	ND		mg/kg	0.368	--	1
Benzo(a)anthracene	ND		mg/kg	0.368	--	1
Chrysene	ND		mg/kg	0.368	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.368	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.368	--	1
Benzo(a)pyrene	ND		mg/kg	0.368	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.368	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.368	--	1
Benzo(ghi)perylene	ND		mg/kg	0.368	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-31

Date Collected: 01/14/21 11:15

Client ID: UU-7 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	65		40-140
o-Terphenyl	67		40-140
2-Fluorobiphenyl	84		40-140
2-Bromonaphthalene	84		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-32  
 Client ID: SS-121 (0-1')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 13:35  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 11:27  
 Analyst: MEO  
 Percent Solids: 81%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:30  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	8.18	--	1
C19-C36 Aliphatics	12.4		mg/kg	8.18	--	1
C11-C22 Aromatics	17.7		mg/kg	8.18	--	1
C11-C22 Aromatics, Adjusted	17.7		mg/kg	8.18	--	1
Naphthalene	ND		mg/kg	0.409	--	1
2-Methylnaphthalene	ND		mg/kg	0.409	--	1
Acenaphthylene	ND		mg/kg	0.409	--	1
Acenaphthene	ND		mg/kg	0.409	--	1
Fluorene	ND		mg/kg	0.409	--	1
Phenanthrene	ND		mg/kg	0.409	--	1
Anthracene	ND		mg/kg	0.409	--	1
Fluoranthene	ND		mg/kg	0.409	--	1
Pyrene	ND		mg/kg	0.409	--	1
Benzo(a)anthracene	ND		mg/kg	0.409	--	1
Chrysene	ND		mg/kg	0.409	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.409	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.409	--	1
Benzo(a)pyrene	ND		mg/kg	0.409	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.409	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.409	--	1
Benzo(ghi)perylene	ND		mg/kg	0.409	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-32

Date Collected: 01/14/21 13:35

Client ID: SS-121 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	57		40-140
o-Terphenyl	57		40-140
2-Fluorobiphenyl	80		40-140
2-Bromonaphthalene	81		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-33  
 Client ID: SS-121 (1-2')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 13:40  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 09:03  
 Analyst: MEO  
 Percent Solids: 83%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:30  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.65	--	1
C19-C36 Aliphatics	8.75		mg/kg	7.65	--	1
C11-C22 Aromatics	17.6		mg/kg	7.65	--	1
C11-C22 Aromatics, Adjusted	17.6		mg/kg	7.65	--	1
Naphthalene	ND		mg/kg	0.383	--	1
2-Methylnaphthalene	ND		mg/kg	0.383	--	1
Acenaphthylene	ND		mg/kg	0.383	--	1
Acenaphthene	ND		mg/kg	0.383	--	1
Fluorene	ND		mg/kg	0.383	--	1
Phenanthrene	ND		mg/kg	0.383	--	1
Anthracene	ND		mg/kg	0.383	--	1
Fluoranthene	ND		mg/kg	0.383	--	1
Pyrene	ND		mg/kg	0.383	--	1
Benzo(a)anthracene	ND		mg/kg	0.383	--	1
Chrysene	ND		mg/kg	0.383	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.383	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.383	--	1
Benzo(a)pyrene	ND		mg/kg	0.383	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.383	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.383	--	1
Benzo(ghi)perylene	ND		mg/kg	0.383	--	1



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-33

Date Collected: 01/14/21 13:40

Client ID: SS-121 (1-2')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	51		40-140
o-Terphenyl	56		40-140
2-Fluorobiphenyl	70		40-140
2-Bromonaphthalene	71		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-34  
 Client ID: UU-4 (0-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 14:35  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 10:39  
 Analyst: MEO  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:30  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	8.12	--	1
C19-C36 Aliphatics	13.7		mg/kg	8.12	--	1
C11-C22 Aromatics	11.0		mg/kg	8.12	--	1
C11-C22 Aromatics, Adjusted	11.0		mg/kg	8.12	--	1
Naphthalene	ND		mg/kg	0.406	--	1
2-Methylnaphthalene	ND		mg/kg	0.406	--	1
Acenaphthylene	ND		mg/kg	0.406	--	1
Acenaphthene	ND		mg/kg	0.406	--	1
Fluorene	ND		mg/kg	0.406	--	1
Phenanthrene	ND		mg/kg	0.406	--	1
Anthracene	ND		mg/kg	0.406	--	1
Fluoranthene	ND		mg/kg	0.406	--	1
Pyrene	ND		mg/kg	0.406	--	1
Benzo(a)anthracene	ND		mg/kg	0.406	--	1
Chrysene	ND		mg/kg	0.406	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.406	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.406	--	1
Benzo(a)pyrene	ND		mg/kg	0.406	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.406	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.406	--	1
Benzo(ghi)perylene	ND		mg/kg	0.406	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-34

Date Collected: 01/14/21 14:35

Client ID: UU-4 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	60		40-140
o-Terphenyl	67		40-140
2-Fluorobiphenyl	81		40-140
2-Bromonaphthalene	83		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-35  
 Client ID: UU-4 (3-7')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 14:45  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 11:03  
 Analyst: MEO  
 Percent Solids: 81%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:30  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.87	--	1
C19-C36 Aliphatics	11.5		mg/kg	7.87	--	1
C11-C22 Aromatics	18.0		mg/kg	7.87	--	1
C11-C22 Aromatics, Adjusted	18.0		mg/kg	7.87	--	1
Naphthalene	ND		mg/kg	0.394	--	1
2-Methylnaphthalene	ND		mg/kg	0.394	--	1
Acenaphthylene	ND		mg/kg	0.394	--	1
Acenaphthene	ND		mg/kg	0.394	--	1
Fluorene	ND		mg/kg	0.394	--	1
Phenanthrene	ND		mg/kg	0.394	--	1
Anthracene	ND		mg/kg	0.394	--	1
Fluoranthene	ND		mg/kg	0.394	--	1
Pyrene	ND		mg/kg	0.394	--	1
Benzo(a)anthracene	ND		mg/kg	0.394	--	1
Chrysene	ND		mg/kg	0.394	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.394	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.394	--	1
Benzo(a)pyrene	ND		mg/kg	0.394	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.394	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.394	--	1
Benzo(ghi)perylene	ND		mg/kg	0.394	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-35

Date Collected: 01/14/21 14:45

Client ID: UU-4 (3-7')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	57		40-140
o-Terphenyl	63		40-140
2-Fluorobiphenyl	88		40-140
2-Bromonaphthalene	90		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-36  
 Client ID: SS-122 (0-1')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 14:45  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 01:12  
 Analyst: MEO  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:30  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.55	--	1
C19-C36 Aliphatics	ND		mg/kg	7.55	--	1
C11-C22 Aromatics	14.6		mg/kg	7.55	--	1
C11-C22 Aromatics, Adjusted	13.8		mg/kg	7.55	--	1
Naphthalene	ND		mg/kg	0.377	--	1
2-Methylnaphthalene	ND		mg/kg	0.377	--	1
Acenaphthylene	ND		mg/kg	0.377	--	1
Acenaphthene	ND		mg/kg	0.377	--	1
Fluorene	ND		mg/kg	0.377	--	1
Phenanthrene	ND		mg/kg	0.377	--	1
Anthracene	ND		mg/kg	0.377	--	1
Fluoranthene	0.422		mg/kg	0.377	--	1
Pyrene	0.411		mg/kg	0.377	--	1
Benzo(a)anthracene	ND		mg/kg	0.377	--	1
Chrysene	ND		mg/kg	0.377	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.377	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.377	--	1
Benzo(a)pyrene	ND		mg/kg	0.377	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.377	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.377	--	1
Benzo(ghi)perylene	ND		mg/kg	0.377	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-36

Date Collected: 01/14/21 14:45

Client ID: SS-122 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	68		40-140
o-Terphenyl	65		40-140
2-Fluorobiphenyl	81		40-140
2-Bromonaphthalene	81		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-37  
 Client ID: SS-122 (1-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 14:50  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 03:41  
 Analyst: MEO  
 Percent Solids: 83%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:30  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.78	--	1
C19-C36 Aliphatics	ND		mg/kg	7.78	--	1
C11-C22 Aromatics	18.3		mg/kg	7.78	--	1
C11-C22 Aromatics, Adjusted	18.3		mg/kg	7.78	--	1
Naphthalene	ND		mg/kg	0.389	--	1
2-Methylnaphthalene	ND		mg/kg	0.389	--	1
Acenaphthylene	ND		mg/kg	0.389	--	1
Acenaphthene	ND		mg/kg	0.389	--	1
Fluorene	ND		mg/kg	0.389	--	1
Phenanthrene	ND		mg/kg	0.389	--	1
Anthracene	ND		mg/kg	0.389	--	1
Fluoranthene	ND		mg/kg	0.389	--	1
Pyrene	ND		mg/kg	0.389	--	1
Benzo(a)anthracene	ND		mg/kg	0.389	--	1
Chrysene	ND		mg/kg	0.389	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.389	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.389	--	1
Benzo(a)pyrene	ND		mg/kg	0.389	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.389	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.389	--	1
Benzo(ghi)perylene	ND		mg/kg	0.389	--	1



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-37

Date Collected: 01/14/21 14:50

Client ID: SS-122 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	65		40-140
o-Terphenyl	64		40-140
2-Fluorobiphenyl	80		40-140
2-Bromonaphthalene	81		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-38  
 Client ID: DUP-10  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/14/21 13:45  
 Date Received: 01/14/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/20/21 02:55  
 Analyst: MEO  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 01/18/21 16:30  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/19/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.61	--	1
C19-C36 Aliphatics	ND		mg/kg	7.61	--	1
C11-C22 Aromatics	12.4		mg/kg	7.61	--	1
C11-C22 Aromatics, Adjusted	12.4		mg/kg	7.61	--	1
Naphthalene	ND		mg/kg	0.381	--	1
2-Methylnaphthalene	ND		mg/kg	0.381	--	1
Acenaphthylene	ND		mg/kg	0.381	--	1
Acenaphthene	ND		mg/kg	0.381	--	1
Fluorene	ND		mg/kg	0.381	--	1
Phenanthrene	ND		mg/kg	0.381	--	1
Anthracene	ND		mg/kg	0.381	--	1
Fluoranthene	ND		mg/kg	0.381	--	1
Pyrene	ND		mg/kg	0.381	--	1
Benzo(a)anthracene	ND		mg/kg	0.381	--	1
Chrysene	ND		mg/kg	0.381	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.381	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.381	--	1
Benzo(a)pyrene	ND		mg/kg	0.381	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.381	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.381	--	1
Benzo(ghi)perylene	ND		mg/kg	0.381	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-38

Date Collected: 01/14/21 13:45

Client ID: DUP-10

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	65		40-140
o-Terphenyl	66		40-140
2-Fluorobiphenyl	82		40-140
2-Bromonaphthalene	82		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102136  
**Report Date:** 01/25/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 135,EPH-19-2.1  
Analytical Date: 01/19/21 15:08  
Analyst: MEO

Extraction Method: EPA 3546  
Extraction Date: 01/18/21 16:22  
Cleanup Method: EPH-04-1  
Cleanup Date: 01/19/21

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-20 Batch: WG1456124-1					
C9-C18 Aliphatics	ND		mg/kg	6.46	--
C19-C36 Aliphatics	ND		mg/kg	6.46	--
C11-C22 Aromatics	ND		mg/kg	6.46	--
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.46	--
Naphthalene	ND		mg/kg	0.323	--
2-Methylnaphthalene	ND		mg/kg	0.323	--
Acenaphthylene	ND		mg/kg	0.323	--
Acenaphthene	ND		mg/kg	0.323	--
Fluorene	ND		mg/kg	0.323	--
Phenanthrene	ND		mg/kg	0.323	--
Anthracene	ND		mg/kg	0.323	--
Fluoranthene	ND		mg/kg	0.323	--
Pyrene	ND		mg/kg	0.323	--
Benzo(a)anthracene	ND		mg/kg	0.323	--
Chrysene	ND		mg/kg	0.323	--
Benzo(b)fluoranthene	ND		mg/kg	0.323	--
Benzo(k)fluoranthene	ND		mg/kg	0.323	--
Benzo(a)pyrene	ND		mg/kg	0.323	--
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.323	--
Dibenzo(a,h)anthracene	ND		mg/kg	0.323	--
Benzo(ghi)perylene	ND		mg/kg	0.323	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	50		40-140
o-Terphenyl	67		40-140
2-Fluorobiphenyl	86		40-140
2-Bromonaphthalene	86		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102136  
**Report Date:** 01/25/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 135,EPH-19-2.1  
Analytical Date: 01/20/21 05:49  
Analyst: MEO

Extraction Method: EPA 3546  
Extraction Date: 01/18/21 16:29  
Cleanup Method: EPH-04-1  
Cleanup Date: 01/19/21

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 21-38 Batch: WG1456126-1					
C9-C18 Aliphatics	ND		mg/kg	6.40	--
C19-C36 Aliphatics	ND		mg/kg	6.40	--
C11-C22 Aromatics	ND		mg/kg	6.40	--
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.40	--
Naphthalene	ND		mg/kg	0.320	--
2-Methylnaphthalene	ND		mg/kg	0.320	--
Acenaphthylene	ND		mg/kg	0.320	--
Acenaphthene	ND		mg/kg	0.320	--
Fluorene	ND		mg/kg	0.320	--
Phenanthrene	ND		mg/kg	0.320	--
Anthracene	ND		mg/kg	0.320	--
Fluoranthene	ND		mg/kg	0.320	--
Pyrene	ND		mg/kg	0.320	--
Benzo(a)anthracene	ND		mg/kg	0.320	--
Chrysene	ND		mg/kg	0.320	--
Benzo(b)fluoranthene	ND		mg/kg	0.320	--
Benzo(k)fluoranthene	ND		mg/kg	0.320	--
Benzo(a)pyrene	ND		mg/kg	0.320	--
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.320	--
Dibenzo(a,h)anthracene	ND		mg/kg	0.320	--
Benzo(ghi)perylene	ND		mg/kg	0.320	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	63		40-140
o-Terphenyl	69		40-140
2-Fluorobiphenyl	89		40-140
2-Bromonaphthalene	89		40-140

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK

**Lab Number:** L2102136

**Project Number:** 414883

**Report Date:** 01/25/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-20 Batch: WG1456124-2 WG1456124-3								
C9-C18 Aliphatics	56		58		40-140	4		25
C19-C36 Aliphatics	76		75		40-140	1		25
C11-C22 Aromatics	78		78		40-140	0		25
Naphthalene	61		71		40-140	15		25
2-Methylnaphthalene	64		74		40-140	14		25
Acenaphthylene	64		73		40-140	13		25
Acenaphthene	70		79		40-140	12		25
Fluorene	70		78		40-140	11		25
Phenanthrene	71		77		40-140	8		25
Anthracene	70		76		40-140	8		25
Fluoranthene	72		78		40-140	8		25
Pyrene	73		78		40-140	7		25
Benzo(a)anthracene	71		75		40-140	5		25
Chrysene	71		75		40-140	5		25
Benzo(b)fluoranthene	80		86		40-140	7		25
Benzo(k)fluoranthene	60		63		40-140	5		25
Benzo(a)pyrene	68		72		40-140	6		25
Indeno(1,2,3-cd)Pyrene	68		73		40-140	7		25
Dibenzo(a,h)anthracene	63		67		40-140	6		25
Benzo(ghi)perylene	64		68		40-140	6		25

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK

**Project Number:** 414883

**Lab Number:** L2102136

**Report Date:** 01/25/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-20 Batch: WG1456124-2 WG1456124-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Chloro-Octadecane	63		59		40-140
o-Terphenyl	68		73		40-140
2-Fluorobiphenyl	78		85		40-140
2-Bromonaphthalene	79		85		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK

**Lab Number:** L2102136

**Project Number:** 414883

**Report Date:** 01/25/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 21-38 Batch: WG1456126-2 WG1456126-3								
C9-C18 Aliphatics	57		59		40-140	3		25
C19-C36 Aliphatics	73		74		40-140	1		25
C11-C22 Aromatics	79		68		40-140	15		25
Naphthalene	70		64		40-140	9		25
2-Methylnaphthalene	74		66		40-140	11		25
Acenaphthylene	72		64		40-140	12		25
Acenaphthene	78		68		40-140	14		25
Fluorene	77		67		40-140	14		25
Phenanthrene	77		66		40-140	15		25
Anthracene	77		66		40-140	15		25
Fluoranthene	79		67		40-140	16		25
Pyrene	79		67		40-140	16		25
Benzo(a)anthracene	76		64		40-140	17		25
Chrysene	76		65		40-140	16		25
Benzo(b)fluoranthene	86		72		40-140	18		25
Benzo(k)fluoranthene	63		53		40-140	17		25
Benzo(a)pyrene	73		62		40-140	16		25
Indeno(1,2,3-cd)Pyrene	72		61		40-140	17		25
Dibenzo(a,h)anthracene	67		57		40-140	16		25
Benzo(ghi)perylene	68		58		40-140	16		25



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK

**Lab Number:** L2102136

**Project Number:** 414883

**Report Date:** 01/25/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 21-38 Batch: WG1456126-2 WG1456126-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Chloro-Octadecane	59		58		40-140
o-Terphenyl	69		60		40-140
2-Fluorobiphenyl	86		78		40-140
2-Bromonaphthalene	88		79		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** ENBRIDGE KING'S COVE PARK

**Lab Number:** L2102136

**Project Number:** 414883

**Report Date:** 01/25/21

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG1456124-4 WG1456124-5 QC Sample: L2102136-13 Client ID: B-606 (1-3')												
C9-C18 Aliphatics	9.24	49.3	39.8	62		37.5	58		40-140	6		50
C19-C36 Aliphatics	22.5	65.8	64.8	64		67.8	70		40-140	5		50
C11-C22 Aromatics	35.6	140	141	75		123	63		40-140	14		50
Naphthalene	0.424	8.22	5.71	64		5.07	57		40-140	12		50
2-Methylnaphthalene	ND	8.22	5.94	72		5.34	66		40-140	11		50
Acenaphthylene	ND	8.22	5.75	70		5.21	64		40-140	10		50
Acenaphthene	ND	8.22	6.31	77		5.66	70		40-140	11		50
Fluorene	ND	8.22	6.30	77		5.73	70		40-140	9		50
Phenanthrene	0.798	8.22	6.96	75		6.18	66		40-140	12		50
Anthracene	ND	8.22	6.17	75		5.62	69		40-140	9		50
Fluoranthene	0.714	8.22	7.08	77		6.19	67		40-140	13		50
Pyrene	0.736	8.22	7.10	77		6.26	68		40-140	13		50
Benzo(a)anthracene	ND	8.22	6.44	78		5.79	71		40-140	11		50
Chrysene	0.516	8.22	6.74	76		6.04	68		40-140	11		50
Benzo(b)fluoranthene	0.450	8.22	7.24	82		6.39	73		40-140	12		50
Benzo(k)fluoranthene	ND	8.22	5.25	64		4.75	58		40-140	10		50
Benzo(a)pyrene	ND	8.22	6.12	74		5.49	68		40-140	11		50
Indeno(1,2,3-cd)Pyrene	ND	8.22	5.78	70		5.21	64		40-140	10		50
Dibenzo(a,h)anthracene	ND	8.22	5.46	66		5.01	62		40-140	9		50
Benzo(ghi)perylene	ND	8.22	5.68	69		5.22	64		40-140	8		50

### Matrix Spike Analysis Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102136  
**Report Date:** 01/25/21

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
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Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG1456124-4 WG1456124-5 QC Sample: L2102136-13  
Client ID: B-606 (1-3')

<b>Surrogate</b>	<b>MS % Recovery</b>	<b>Qualifier</b>	<b>MSD % Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>
2-Bromonaphthalene	86		78		40-140
2-Fluorobiphenyl	83		76		40-140
Chloro-Octadecane	68		59		40-140
o-Terphenyl	69		65		40-140

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** ENBRIDGE KING'S COVE PARK

**Lab Number:** L2102136

**Project Number:** 414883

**Report Date:** 01/25/21

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 21-38 QC Batch ID: WG1456126-4 WG1456126-5 QC Sample: L2102136-36 Client ID: SS-122 (0-1')												
C9-C18 Aliphatics	ND	45.8	19.9	43		20.9	46		40-140	5		50
C19-C36 Aliphatics	ND	61.1	52.6	86		49.0	82		40-140	7		50
C11-C22 Aromatics	14.6	130	98.5	65		90.6	60		40-140	8		50
Naphthalene	ND	7.63	3.60	47		4.17	56		40-140	15		50
2-Methylnaphthalene	ND	7.63	4.19	55		4.45	60		40-140	6		50
Acenaphthylene	ND	7.63	4.55	60		4.39	59		40-140	4		50
Acenaphthene	ND	7.63	4.97	65		4.74	63		40-140	5		50
Fluorene	ND	7.63	5.08	66		4.70	63		40-140	8		50
Phenanthrene	ND	7.63	5.48	72		4.91	66		40-140	11		50
Anthracene	ND	7.63	5.21	68		4.74	63		40-140	9		50
Fluoranthene	0.422	7.63	5.47	66		4.98	61		40-140	9		50
Pyrene	0.411	7.63	5.62	68		5.06	62		40-140	10		50
Benzo(a)anthracene	ND	7.63	5.52	72		4.92	66		40-140	11		50
Chrysene	ND	7.63	5.45	71		4.87	65		40-140	11		50
Benzo(b)fluoranthene	ND	7.63	5.95	78		5.35	72		40-140	11		50
Benzo(k)fluoranthene	ND	7.63	4.46	58		4.00	54		40-140	11		50
Benzo(a)pyrene	ND	7.63	5.42	71		4.80	64		40-140	12		50
Indeno(1,2,3-cd)Pyrene	ND	7.63	4.84	63		4.32	58		40-140	11		50
Dibenzo(a,h)anthracene	ND	7.63	4.80	63		4.33	58		40-140	10		50
Benzo(ghi)perylene	ND	7.63	4.80	63		4.30	58		40-140	11		50

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102136  
**Report Date:** 01/25/21

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
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Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 21-38 QC Batch ID: WG1456126-4 WG1456126-5 QC Sample: L2102136-36  
 Client ID: SS-122 (0-1')

<b>Surrogate</b>	<b>MS % Recovery</b>	<b>Qualifier</b>	<b>MSD % Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</b>
2-Bromonaphthalene	79		74		40-140
2-Fluorobiphenyl	78		73		40-140
Chloro-Octadecane	63		59		40-140
o-Terphenyl	64		57		40-140

## METALS

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-01

Date Collected: 01/12/21 13:45

Client ID: B-601 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.11	--	1	01/18/21 09:46	01/22/21 16:21	EPA 3050B	97,6010D	EW
Arsenic, Total	1.97		mg/kg	0.422	--	1	01/18/21 09:46	01/22/21 16:21	EPA 3050B	97,6010D	EW
Barium, Total	7.77		mg/kg	0.422	--	1	01/18/21 09:46	01/22/21 16:21	EPA 3050B	97,6010D	EW
Beryllium, Total	ND		mg/kg	0.211	--	1	01/18/21 09:46	01/22/21 16:21	EPA 3050B	97,6010D	EW
Cadmium, Total	ND		mg/kg	0.422	--	1	01/18/21 09:46	01/22/21 16:21	EPA 3050B	97,6010D	EW
Chromium, Total	5.18		mg/kg	0.422	--	1	01/18/21 09:46	01/22/21 16:21	EPA 3050B	97,6010D	EW
Lead, Total	7.82		mg/kg	2.11	--	1	01/18/21 09:46	01/22/21 16:21	EPA 3050B	97,6010D	EW
Mercury, Total	ND		mg/kg	0.077	--	1	01/18/21 11:44	01/25/21 11:15	EPA 7471B	97,7471B	VW
Nickel, Total	3.70		mg/kg	1.05	--	1	01/18/21 09:46	01/22/21 16:21	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.11	--	1	01/18/21 09:46	01/22/21 16:21	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.422	--	1	01/18/21 09:46	01/22/21 16:21	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.11	--	1	01/18/21 09:46	01/22/21 16:21	EPA 3050B	97,6010D	EW
Vanadium, Total	11.7		mg/kg	0.422	--	1	01/18/21 09:46	01/22/21 16:21	EPA 3050B	97,6010D	EW
Zinc, Total	10.0		mg/kg	2.11	--	1	01/18/21 09:46	01/22/21 16:21	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-02

Date Collected: 01/12/21 13:50

Client ID: B-601 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.43	--	1	01/18/21 09:46	01/22/21 16:35	EPA 3050B	97,6010D	EW
Arsenic, Total	10.6		mg/kg	0.485	--	1	01/18/21 09:46	01/22/21 16:35	EPA 3050B	97,6010D	EW
Barium, Total	41.2		mg/kg	0.485	--	1	01/18/21 09:46	01/22/21 16:35	EPA 3050B	97,6010D	EW
Beryllium, Total	ND		mg/kg	0.243	--	1	01/18/21 09:46	01/22/21 16:35	EPA 3050B	97,6010D	EW
Cadmium, Total	0.781		mg/kg	0.485	--	1	01/18/21 09:46	01/22/21 16:35	EPA 3050B	97,6010D	EW
Chromium, Total	9.22		mg/kg	0.485	--	1	01/18/21 09:46	01/22/21 16:35	EPA 3050B	97,6010D	EW
Lead, Total	246		mg/kg	2.43	--	1	01/18/21 09:46	01/22/21 16:35	EPA 3050B	97,6010D	EW
Mercury, Total	0.125		mg/kg	0.086	--	1	01/18/21 11:44	01/25/21 11:18	EPA 7471B	97,7471B	VW
Nickel, Total	29.2		mg/kg	1.21	--	1	01/18/21 09:46	01/22/21 16:35	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.43	--	1	01/18/21 09:46	01/22/21 16:35	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.485	--	1	01/18/21 09:46	01/22/21 16:35	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.43	--	1	01/18/21 09:46	01/22/21 16:35	EPA 3050B	97,6010D	EW
Vanadium, Total	122		mg/kg	0.485	--	1	01/18/21 09:46	01/22/21 16:35	EPA 3050B	97,6010D	EW
Zinc, Total	111		mg/kg	2.43	--	1	01/18/21 09:46	01/22/21 16:35	EPA 3050B	97,6010D	EW





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-03

Date Collected: 01/12/21 14:25

Client ID: B-601 (3-5')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.46	--	1	01/18/21 09:46	01/22/21 16:39	EPA 3050B	97,6010D	EW
Arsenic, Total	11.6		mg/kg	0.493	--	1	01/18/21 09:46	01/22/21 16:39	EPA 3050B	97,6010D	EW
Barium, Total	52.4		mg/kg	0.493	--	1	01/18/21 09:46	01/22/21 16:39	EPA 3050B	97,6010D	EW
Beryllium, Total	ND		mg/kg	0.246	--	1	01/18/21 09:46	01/22/21 16:39	EPA 3050B	97,6010D	EW
Cadmium, Total	0.877		mg/kg	0.493	--	1	01/18/21 09:46	01/22/21 16:39	EPA 3050B	97,6010D	EW
Chromium, Total	18.9		mg/kg	0.493	--	1	01/18/21 09:46	01/22/21 16:39	EPA 3050B	97,6010D	EW
Lead, Total	218		mg/kg	2.46	--	1	01/18/21 09:46	01/22/21 16:39	EPA 3050B	97,6010D	EW
Mercury, Total	0.138		mg/kg	0.085	--	1	01/18/21 11:44	01/25/21 11:21	EPA 7471B	97,7471B	VW
Nickel, Total	27.2		mg/kg	1.23	--	1	01/18/21 09:46	01/22/21 16:39	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.46	--	1	01/18/21 09:46	01/22/21 16:39	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.493	--	1	01/18/21 09:46	01/22/21 16:39	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.46	--	1	01/18/21 09:46	01/22/21 16:39	EPA 3050B	97,6010D	EW
Vanadium, Total	138		mg/kg	0.493	--	1	01/18/21 09:46	01/22/21 16:39	EPA 3050B	97,6010D	EW
Zinc, Total	109		mg/kg	2.46	--	1	01/18/21 09:46	01/22/21 16:39	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-04

Date Collected: 01/12/21 12:50

Client ID: B-602 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.13	--	1	01/18/21 09:46	01/22/21 16:44	EPA 3050B	97,6010D	EW
Arsenic, Total	11.8		mg/kg	0.426	--	1	01/18/21 09:46	01/22/21 16:44	EPA 3050B	97,6010D	EW
Barium, Total	25.4		mg/kg	0.426	--	1	01/18/21 09:46	01/22/21 16:44	EPA 3050B	97,6010D	EW
Beryllium, Total	ND		mg/kg	0.213	--	1	01/18/21 09:46	01/22/21 16:44	EPA 3050B	97,6010D	EW
Cadmium, Total	ND		mg/kg	0.426	--	1	01/18/21 09:46	01/22/21 16:44	EPA 3050B	97,6010D	EW
Chromium, Total	8.16		mg/kg	0.426	--	1	01/18/21 09:46	01/22/21 16:44	EPA 3050B	97,6010D	EW
Lead, Total	17.2		mg/kg	2.13	--	1	01/18/21 09:46	01/22/21 16:44	EPA 3050B	97,6010D	EW
Mercury, Total	ND		mg/kg	0.078	--	1	01/18/21 11:44	01/25/21 11:24	EPA 7471B	97,7471B	VW
Nickel, Total	7.16		mg/kg	1.06	--	1	01/18/21 09:46	01/22/21 16:44	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.13	--	1	01/18/21 09:46	01/22/21 16:44	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.426	--	1	01/18/21 09:46	01/22/21 16:44	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.13	--	1	01/18/21 09:46	01/22/21 16:44	EPA 3050B	97,6010D	EW
Vanadium, Total	19.7		mg/kg	0.426	--	1	01/18/21 09:46	01/22/21 16:44	EPA 3050B	97,6010D	EW
Zinc, Total	26.6		mg/kg	2.13	--	1	01/18/21 09:46	01/22/21 16:44	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-05

Date Collected: 01/12/21 13:10

Client ID: B-602 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	3.07		mg/kg	2.53	--	1	01/18/21 09:46	01/22/21 16:48	EPA 3050B	97,6010D	EW
Arsenic, Total	100		mg/kg	0.506	--	1	01/18/21 09:46	01/22/21 16:48	EPA 3050B	97,6010D	EW
Barium, Total	122		mg/kg	0.506	--	1	01/18/21 09:46	01/22/21 16:48	EPA 3050B	97,6010D	EW
Beryllium, Total	2.56		mg/kg	0.253	--	1	01/18/21 09:46	01/22/21 16:48	EPA 3050B	97,6010D	EW
Cadmium, Total	ND		mg/kg	0.506	--	1	01/18/21 09:46	01/22/21 16:48	EPA 3050B	97,6010D	EW
Chromium, Total	16.3		mg/kg	0.506	--	1	01/18/21 09:46	01/22/21 16:48	EPA 3050B	97,6010D	EW
Lead, Total	14.9		mg/kg	2.53	--	1	01/18/21 09:46	01/22/21 16:48	EPA 3050B	97,6010D	EW
Mercury, Total	0.165		mg/kg	0.091	--	1	01/18/21 11:44	01/25/21 11:28	EPA 7471B	97,7471B	VW
Nickel, Total	20.8		mg/kg	1.26	--	1	01/18/21 09:46	01/22/21 16:48	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.53	--	1	01/18/21 09:46	01/22/21 16:48	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.506	--	1	01/18/21 09:46	01/22/21 16:48	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.53	--	1	01/18/21 09:46	01/22/21 16:48	EPA 3050B	97,6010D	EW
Vanadium, Total	74.4		mg/kg	0.506	--	1	01/18/21 09:46	01/22/21 16:48	EPA 3050B	97,6010D	EW
Zinc, Total	25.3		mg/kg	2.53	--	1	01/18/21 09:46	01/22/21 16:48	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-06

Date Collected: 01/12/21 11:20

Client ID: B-603 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.30	--	1	01/18/21 09:46	01/22/21 16:53	EPA 3050B	97,6010D	EW
Arsenic, Total	61.4		mg/kg	0.459	--	1	01/18/21 09:46	01/22/21 16:53	EPA 3050B	97,6010D	EW
Barium, Total	73.0		mg/kg	0.459	--	1	01/18/21 09:46	01/22/21 16:53	EPA 3050B	97,6010D	EW
Beryllium, Total	1.50		mg/kg	0.230	--	1	01/18/21 09:46	01/22/21 16:53	EPA 3050B	97,6010D	EW
Cadmium, Total	ND		mg/kg	0.459	--	1	01/18/21 09:46	01/22/21 16:53	EPA 3050B	97,6010D	EW
Chromium, Total	11.4		mg/kg	0.459	--	1	01/18/21 09:46	01/22/21 16:53	EPA 3050B	97,6010D	EW
Lead, Total	22.5		mg/kg	2.30	--	1	01/18/21 09:46	01/22/21 16:53	EPA 3050B	97,6010D	EW
Mercury, Total	0.091		mg/kg	0.082	--	1	01/18/21 11:44	01/25/21 11:31	EPA 7471B	97,7471B	VW
Nickel, Total	13.7		mg/kg	1.15	--	1	01/18/21 09:46	01/22/21 16:53	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.30	--	1	01/18/21 09:46	01/22/21 16:53	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.459	--	1	01/18/21 09:46	01/22/21 16:53	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.30	--	1	01/18/21 09:46	01/22/21 16:53	EPA 3050B	97,6010D	EW
Vanadium, Total	48.0		mg/kg	0.459	--	1	01/18/21 09:46	01/22/21 16:53	EPA 3050B	97,6010D	EW
Zinc, Total	22.4		mg/kg	2.30	--	1	01/18/21 09:46	01/22/21 16:53	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-07

Date Collected: 01/12/21 11:50

Client ID: B-603 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.40	--	1	01/18/21 09:46	01/22/21 16:57	EPA 3050B	97,6010D	EW
Arsenic, Total	64.7		mg/kg	0.479	--	1	01/18/21 09:46	01/22/21 16:57	EPA 3050B	97,6010D	EW
Barium, Total	96.2		mg/kg	0.479	--	1	01/18/21 09:46	01/22/21 16:57	EPA 3050B	97,6010D	EW
Beryllium, Total	1.61		mg/kg	0.240	--	1	01/18/21 09:46	01/22/21 16:57	EPA 3050B	97,6010D	EW
Cadmium, Total	0.512		mg/kg	0.479	--	1	01/18/21 09:46	01/22/21 16:57	EPA 3050B	97,6010D	EW
Chromium, Total	14.5		mg/kg	0.479	--	1	01/18/21 09:46	01/22/21 16:57	EPA 3050B	97,6010D	EW
Lead, Total	62.0		mg/kg	2.40	--	1	01/18/21 09:46	01/22/21 16:57	EPA 3050B	97,6010D	EW
Mercury, Total	0.142		mg/kg	0.082	--	1	01/18/21 11:44	01/25/21 11:34	EPA 7471B	97,7471B	VW
Nickel, Total	18.9		mg/kg	1.20	--	1	01/18/21 09:46	01/22/21 16:57	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.40	--	1	01/18/21 09:46	01/22/21 16:57	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.479	--	1	01/18/21 09:46	01/22/21 16:57	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.40	--	1	01/18/21 09:46	01/22/21 16:57	EPA 3050B	97,6010D	EW
Vanadium, Total	91.4		mg/kg	0.479	--	1	01/18/21 09:46	01/22/21 16:57	EPA 3050B	97,6010D	EW
Zinc, Total	37.0		mg/kg	2.40	--	1	01/18/21 09:46	01/22/21 16:57	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-08

Date Collected: 01/12/21 10:20

Client ID: B-604 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.19	--	1	01/18/21 09:46	01/22/21 17:02	EPA 3050B	97,6010D	EW
Arsenic, Total	3.55		mg/kg	0.438	--	1	01/18/21 09:46	01/22/21 17:02	EPA 3050B	97,6010D	EW
Barium, Total	13.2		mg/kg	0.438	--	1	01/18/21 09:46	01/22/21 17:02	EPA 3050B	97,6010D	EW
Beryllium, Total	ND		mg/kg	0.219	--	1	01/18/21 09:46	01/22/21 17:02	EPA 3050B	97,6010D	EW
Cadmium, Total	ND		mg/kg	0.438	--	1	01/18/21 09:46	01/22/21 17:02	EPA 3050B	97,6010D	EW
Chromium, Total	5.82		mg/kg	0.438	--	1	01/18/21 09:46	01/22/21 17:02	EPA 3050B	97,6010D	EW
Lead, Total	9.48		mg/kg	2.19	--	1	01/18/21 09:46	01/22/21 17:02	EPA 3050B	97,6010D	EW
Mercury, Total	ND		mg/kg	0.074	--	1	01/18/21 11:44	01/25/21 11:38	EPA 7471B	97,7471B	VW
Nickel, Total	5.10		mg/kg	1.09	--	1	01/18/21 09:46	01/22/21 17:02	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.19	--	1	01/18/21 09:46	01/22/21 17:02	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.438	--	1	01/18/21 09:46	01/22/21 17:02	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.19	--	1	01/18/21 09:46	01/22/21 17:02	EPA 3050B	97,6010D	EW
Vanadium, Total	14.7		mg/kg	0.438	--	1	01/18/21 09:46	01/22/21 17:02	EPA 3050B	97,6010D	EW
Zinc, Total	15.3		mg/kg	2.19	--	1	01/18/21 09:46	01/22/21 17:02	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-09

Date Collected: 01/12/21 10:40

Client ID: B-604 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.06	--	1	01/18/21 09:46	01/22/21 17:06	EPA 3050B	97,6010D	EW
Arsenic, Total	13.5		mg/kg	0.412	--	1	01/18/21 09:46	01/22/21 17:06	EPA 3050B	97,6010D	EW
Barium, Total	37.8		mg/kg	0.412	--	1	01/18/21 09:46	01/22/21 17:06	EPA 3050B	97,6010D	EW
Beryllium, Total	0.284		mg/kg	0.206	--	1	01/18/21 09:46	01/22/21 17:06	EPA 3050B	97,6010D	EW
Cadmium, Total	ND		mg/kg	0.412	--	1	01/18/21 09:46	01/22/21 17:06	EPA 3050B	97,6010D	EW
Chromium, Total	7.03		mg/kg	0.412	--	1	01/18/21 09:46	01/22/21 17:06	EPA 3050B	97,6010D	EW
Lead, Total	8.60		mg/kg	2.06	--	1	01/18/21 09:46	01/22/21 17:06	EPA 3050B	97,6010D	EW
Mercury, Total	ND		mg/kg	0.073	--	1	01/18/21 11:44	01/25/21 11:41	EPA 7471B	97,7471B	VW
Nickel, Total	8.08		mg/kg	1.03	--	1	01/18/21 09:46	01/22/21 17:06	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.06	--	1	01/18/21 09:46	01/22/21 17:06	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.412	--	1	01/18/21 09:46	01/22/21 17:06	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.06	--	1	01/18/21 09:46	01/22/21 17:06	EPA 3050B	97,6010D	EW
Vanadium, Total	24.4		mg/kg	0.412	--	1	01/18/21 09:46	01/22/21 17:06	EPA 3050B	97,6010D	EW
Zinc, Total	28.0		mg/kg	2.06	--	1	01/18/21 09:46	01/22/21 17:06	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-10

Date Collected: 01/12/21 09:10

Client ID: B-605 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.18	--	1	01/18/21 09:46	01/22/21 17:11	EPA 3050B	97,6010D	EW
Arsenic, Total	13.3		mg/kg	0.437	--	1	01/18/21 09:46	01/22/21 17:11	EPA 3050B	97,6010D	EW
Barium, Total	24.9		mg/kg	0.437	--	1	01/18/21 09:46	01/22/21 17:11	EPA 3050B	97,6010D	EW
Beryllium, Total	0.244		mg/kg	0.218	--	1	01/18/21 09:46	01/22/21 17:11	EPA 3050B	97,6010D	EW
Cadmium, Total	ND		mg/kg	0.437	--	1	01/18/21 09:46	01/22/21 17:11	EPA 3050B	97,6010D	EW
Chromium, Total	7.49		mg/kg	0.437	--	1	01/18/21 09:46	01/22/21 17:11	EPA 3050B	97,6010D	EW
Lead, Total	15.4		mg/kg	2.18	--	1	01/18/21 09:46	01/22/21 17:11	EPA 3050B	97,6010D	EW
Mercury, Total	ND		mg/kg	0.081	--	1	01/18/21 11:44	01/25/21 11:44	EPA 7471B	97,7471B	VW
Nickel, Total	8.10		mg/kg	1.09	--	1	01/18/21 09:46	01/22/21 17:11	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.18	--	1	01/18/21 09:46	01/22/21 17:11	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.437	--	1	01/18/21 09:46	01/22/21 17:11	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.18	--	1	01/18/21 09:46	01/22/21 17:11	EPA 3050B	97,6010D	EW
Vanadium, Total	36.6		mg/kg	0.437	--	1	01/18/21 09:46	01/22/21 17:11	EPA 3050B	97,6010D	EW
Zinc, Total	25.1		mg/kg	2.18	--	1	01/18/21 09:46	01/22/21 17:11	EPA 3050B	97,6010D	EW





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-11

Date Collected: 01/12/21 09:15

Client ID: B-605 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.17	--	1	01/18/21 09:46	01/22/21 17:16	EPA 3050B	97,6010D	EW
Arsenic, Total	43.2		mg/kg	0.434	--	1	01/18/21 09:46	01/22/21 17:16	EPA 3050B	97,6010D	EW
Barium, Total	83.0		mg/kg	0.434	--	1	01/18/21 09:46	01/22/21 17:16	EPA 3050B	97,6010D	EW
Beryllium, Total	1.07		mg/kg	0.217	--	1	01/18/21 09:46	01/22/21 17:16	EPA 3050B	97,6010D	EW
Cadmium, Total	0.504		mg/kg	0.434	--	1	01/18/21 09:46	01/22/21 17:16	EPA 3050B	97,6010D	EW
Chromium, Total	12.8		mg/kg	0.434	--	1	01/18/21 09:46	01/22/21 17:16	EPA 3050B	97,6010D	EW
Lead, Total	19.8		mg/kg	2.17	--	1	01/18/21 09:46	01/22/21 17:16	EPA 3050B	97,6010D	EW
Mercury, Total	ND		mg/kg	0.084	--	1	01/18/21 11:44	01/25/21 11:54	EPA 7471B	97,7471B	VW
Nickel, Total	19.7		mg/kg	1.08	--	1	01/18/21 09:46	01/22/21 17:16	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.17	--	1	01/18/21 09:46	01/22/21 17:16	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.434	--	1	01/18/21 09:46	01/22/21 17:16	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.17	--	1	01/18/21 09:46	01/22/21 17:16	EPA 3050B	97,6010D	EW
Vanadium, Total	59.6		mg/kg	0.434	--	1	01/18/21 09:46	01/22/21 17:16	EPA 3050B	97,6010D	EW
Zinc, Total	37.2		mg/kg	2.17	--	1	01/18/21 09:46	01/22/21 17:16	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-12

Date Collected: 01/13/21 08:20

Client ID: B-606 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.16	--	1	01/18/21 09:46	01/22/21 17:29	EPA 3050B	97,6010D	EW
Arsenic, Total	1.89		mg/kg	0.432	--	1	01/18/21 09:46	01/22/21 17:29	EPA 3050B	97,6010D	EW
Barium, Total	7.92		mg/kg	0.432	--	1	01/18/21 09:46	01/22/21 17:29	EPA 3050B	97,6010D	EW
Beryllium, Total	ND		mg/kg	0.216	--	1	01/18/21 09:46	01/22/21 17:29	EPA 3050B	97,6010D	EW
Cadmium, Total	ND		mg/kg	0.432	--	1	01/18/21 09:46	01/22/21 17:29	EPA 3050B	97,6010D	EW
Chromium, Total	6.13		mg/kg	0.432	--	1	01/18/21 09:46	01/22/21 17:29	EPA 3050B	97,6010D	EW
Lead, Total	7.92		mg/kg	2.16	--	1	01/18/21 09:46	01/22/21 17:29	EPA 3050B	97,6010D	EW
Mercury, Total	ND		mg/kg	0.078	--	1	01/18/21 11:44	01/25/21 11:57	EPA 7471B	97,7471B	VW
Nickel, Total	4.08		mg/kg	1.08	--	1	01/18/21 09:46	01/22/21 17:29	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.16	--	1	01/18/21 09:46	01/22/21 17:29	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.432	--	1	01/18/21 09:46	01/22/21 17:29	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.16	--	1	01/18/21 09:46	01/22/21 17:29	EPA 3050B	97,6010D	EW
Vanadium, Total	13.2		mg/kg	0.432	--	1	01/18/21 09:46	01/22/21 17:29	EPA 3050B	97,6010D	EW
Zinc, Total	11.0		mg/kg	2.16	--	1	01/18/21 09:46	01/22/21 17:29	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-13

Date Collected: 01/13/21 09:00

Client ID: B-606 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.47	--	1	01/18/21 09:46	01/22/21 15:53	EPA 3050B	97,6010D	EW
Arsenic, Total	63.1		mg/kg	0.494	--	1	01/18/21 09:46	01/22/21 15:53	EPA 3050B	97,6010D	EW
Barium, Total	116		mg/kg	0.494	--	1	01/18/21 09:46	01/22/21 15:53	EPA 3050B	97,6010D	EW
Beryllium, Total	1.51		mg/kg	0.247	--	1	01/18/21 09:46	01/22/21 15:53	EPA 3050B	97,6010D	EW
Cadmium, Total	0.711		mg/kg	0.494	--	1	01/18/21 09:46	01/22/21 15:53	EPA 3050B	97,6010D	EW
Chromium, Total	15.1		mg/kg	0.494	--	1	01/18/21 09:46	01/22/21 15:53	EPA 3050B	97,6010D	EW
Lead, Total	31.3		mg/kg	2.47	--	1	01/18/21 09:46	01/22/21 15:53	EPA 3050B	97,6010D	EW
Mercury, Total	0.063		mg/kg	0.042	--	1	01/18/21 11:44	01/25/21 10:58	EPA 7471B	97,7471B	VW
Nickel, Total	20.1		mg/kg	1.23	--	1	01/18/21 09:46	01/22/21 15:53	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.47	--	1	01/18/21 09:46	01/22/21 15:53	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.494	--	1	01/18/21 09:46	01/22/21 15:53	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.47	--	1	01/18/21 09:46	01/22/21 15:53	EPA 3050B	97,6010D	EW
Vanadium, Total	128		mg/kg	0.494	--	1	01/18/21 09:46	01/22/21 15:53	EPA 3050B	97,6010D	EW
Zinc, Total	49.7		mg/kg	2.47	--	1	01/18/21 09:46	01/22/21 15:53	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-14

Date Collected: 01/13/21 10:05

Client ID: UU-9A (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.22	--	1	01/18/21 09:46	01/22/21 17:34	EPA 3050B	97,6010D	EW
Arsenic, Total	16.8		mg/kg	0.445	--	1	01/18/21 09:46	01/22/21 17:34	EPA 3050B	97,6010D	EW
Barium, Total	29.5		mg/kg	0.445	--	1	01/18/21 09:46	01/22/21 17:34	EPA 3050B	97,6010D	EW
Beryllium, Total	0.294		mg/kg	0.222	--	1	01/18/21 09:46	01/22/21 17:34	EPA 3050B	97,6010D	EW
Cadmium, Total	ND		mg/kg	0.445	--	1	01/18/21 09:46	01/22/21 17:34	EPA 3050B	97,6010D	EW
Chromium, Total	8.57		mg/kg	0.445	--	1	01/18/21 09:46	01/22/21 17:34	EPA 3050B	97,6010D	EW
Lead, Total	10.8		mg/kg	2.22	--	1	01/18/21 09:46	01/22/21 17:34	EPA 3050B	97,6010D	EW
Mercury, Total	ND		mg/kg	0.074	--	1	01/18/21 11:44	01/25/21 12:01	EPA 7471B	97,7471B	VW
Nickel, Total	8.18		mg/kg	1.11	--	1	01/18/21 09:46	01/22/21 17:34	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.22	--	1	01/18/21 09:46	01/22/21 17:34	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.445	--	1	01/18/21 09:46	01/22/21 17:34	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.22	--	1	01/18/21 09:46	01/22/21 17:34	EPA 3050B	97,6010D	EW
Vanadium, Total	27.9		mg/kg	0.445	--	1	01/18/21 09:46	01/22/21 17:34	EPA 3050B	97,6010D	EW
Zinc, Total	22.7		mg/kg	2.22	--	1	01/18/21 09:46	01/22/21 17:34	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-15

Date Collected: 01/13/21 10:15

Client ID: UU-9B (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.15	--	1	01/18/21 09:46	01/22/21 17:38	EPA 3050B	97,6010D	EW
Arsenic, Total	19.0		mg/kg	0.430	--	1	01/18/21 09:46	01/22/21 17:38	EPA 3050B	97,6010D	EW
Barium, Total	41.5		mg/kg	0.430	--	1	01/18/21 09:46	01/22/21 17:38	EPA 3050B	97,6010D	EW
Beryllium, Total	0.439		mg/kg	0.215	--	1	01/18/21 09:46	01/22/21 17:38	EPA 3050B	97,6010D	EW
Cadmium, Total	ND		mg/kg	0.430	--	1	01/18/21 09:46	01/22/21 17:38	EPA 3050B	97,6010D	EW
Chromium, Total	9.69		mg/kg	0.430	--	1	01/18/21 09:46	01/22/21 17:38	EPA 3050B	97,6010D	EW
Lead, Total	13.0		mg/kg	2.15	--	1	01/18/21 09:46	01/22/21 17:38	EPA 3050B	97,6010D	EW
Mercury, Total	ND		mg/kg	0.074	--	1	01/18/21 11:44	01/25/21 12:04	EPA 7471B	97,7471B	VW
Nickel, Total	9.21		mg/kg	1.08	--	1	01/18/21 09:46	01/22/21 17:38	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.15	--	1	01/18/21 09:46	01/22/21 17:38	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.430	--	1	01/18/21 09:46	01/22/21 17:38	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.15	--	1	01/18/21 09:46	01/22/21 17:38	EPA 3050B	97,6010D	EW
Vanadium, Total	29.8		mg/kg	0.430	--	1	01/18/21 09:46	01/22/21 17:38	EPA 3050B	97,6010D	EW
Zinc, Total	25.4		mg/kg	2.15	--	1	01/18/21 09:46	01/22/21 17:38	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-16

Date Collected: 01/13/21 10:20

Client ID: UU-9B (3-6')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.14	--	1	01/18/21 09:46	01/22/21 17:43	EPA 3050B	97,6010D	EW
Arsenic, Total	27.8		mg/kg	0.428	--	1	01/18/21 09:46	01/22/21 17:43	EPA 3050B	97,6010D	EW
Barium, Total	47.6		mg/kg	0.428	--	1	01/18/21 09:46	01/22/21 17:43	EPA 3050B	97,6010D	EW
Beryllium, Total	0.651		mg/kg	0.214	--	1	01/18/21 09:46	01/22/21 17:43	EPA 3050B	97,6010D	EW
Cadmium, Total	0.463		mg/kg	0.428	--	1	01/18/21 09:46	01/22/21 17:43	EPA 3050B	97,6010D	EW
Chromium, Total	11.5		mg/kg	0.428	--	1	01/18/21 09:46	01/22/21 17:43	EPA 3050B	97,6010D	EW
Lead, Total	11.3		mg/kg	2.14	--	1	01/18/21 09:46	01/22/21 17:43	EPA 3050B	97,6010D	EW
Mercury, Total	ND		mg/kg	0.079	--	1	01/18/21 11:44	01/25/21 12:07	EPA 7471B	97,7471B	VW
Nickel, Total	12.1		mg/kg	1.07	--	1	01/18/21 09:46	01/22/21 17:43	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.14	--	1	01/18/21 09:46	01/22/21 17:43	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.428	--	1	01/18/21 09:46	01/22/21 17:43	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.14	--	1	01/18/21 09:46	01/22/21 17:43	EPA 3050B	97,6010D	EW
Vanadium, Total	36.8		mg/kg	0.428	--	1	01/18/21 09:46	01/22/21 17:43	EPA 3050B	97,6010D	EW
Zinc, Total	31.3		mg/kg	2.14	--	1	01/18/21 09:46	01/22/21 17:43	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-17

Date Collected: 01/13/21 13:15

Client ID: UU-8 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.17	--	1	01/18/21 09:46	01/22/21 17:48	EPA 3050B	97,6010D	EW
Arsenic, Total	12.7		mg/kg	0.435	--	1	01/18/21 09:46	01/22/21 17:48	EPA 3050B	97,6010D	EW
Barium, Total	27.6		mg/kg	0.435	--	1	01/18/21 09:46	01/22/21 17:48	EPA 3050B	97,6010D	EW
Beryllium, Total	0.274		mg/kg	0.217	--	1	01/18/21 09:46	01/22/21 17:48	EPA 3050B	97,6010D	EW
Cadmium, Total	ND		mg/kg	0.435	--	1	01/18/21 09:46	01/22/21 17:48	EPA 3050B	97,6010D	EW
Chromium, Total	7.74		mg/kg	0.435	--	1	01/18/21 09:46	01/22/21 17:48	EPA 3050B	97,6010D	EW
Lead, Total	10.9		mg/kg	2.17	--	1	01/18/21 09:46	01/22/21 17:48	EPA 3050B	97,6010D	EW
Mercury, Total	ND		mg/kg	0.071	--	1	01/18/21 11:44	01/25/21 12:11	EPA 7471B	97,7471B	VW
Nickel, Total	7.48		mg/kg	1.09	--	1	01/18/21 09:46	01/22/21 17:48	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.17	--	1	01/18/21 09:46	01/22/21 17:48	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.435	--	1	01/18/21 09:46	01/22/21 17:48	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.17	--	1	01/18/21 09:46	01/22/21 17:48	EPA 3050B	97,6010D	EW
Vanadium, Total	24.6		mg/kg	0.435	--	1	01/18/21 09:46	01/22/21 17:48	EPA 3050B	97,6010D	EW
Zinc, Total	23.8		mg/kg	2.17	--	1	01/18/21 09:46	01/22/21 17:48	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-18

Date Collected: 01/13/21 13:20

Client ID: UU-8 (3-4')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.02	--	1	01/18/21 09:46	01/22/21 17:52	EPA 3050B	97,6010D	EW
Arsenic, Total	4.11		mg/kg	0.404	--	1	01/18/21 09:46	01/22/21 17:52	EPA 3050B	97,6010D	EW
Barium, Total	8.01		mg/kg	0.404	--	1	01/18/21 09:46	01/22/21 17:52	EPA 3050B	97,6010D	EW
Beryllium, Total	ND		mg/kg	0.202	--	1	01/18/21 09:46	01/22/21 17:52	EPA 3050B	97,6010D	EW
Cadmium, Total	ND		mg/kg	0.404	--	1	01/18/21 09:46	01/22/21 17:52	EPA 3050B	97,6010D	EW
Chromium, Total	2.81		mg/kg	0.404	--	1	01/18/21 09:46	01/22/21 17:52	EPA 3050B	97,6010D	EW
Lead, Total	4.40		mg/kg	2.02	--	1	01/18/21 09:46	01/22/21 17:52	EPA 3050B	97,6010D	EW
Mercury, Total	ND		mg/kg	0.072	--	1	01/18/21 11:44	01/25/21 12:14	EPA 7471B	97,7471B	VW
Nickel, Total	2.53		mg/kg	1.01	--	1	01/18/21 09:46	01/22/21 17:52	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.02	--	1	01/18/21 09:46	01/22/21 17:52	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.404	--	1	01/18/21 09:46	01/22/21 17:52	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.02	--	1	01/18/21 09:46	01/22/21 17:52	EPA 3050B	97,6010D	EW
Vanadium, Total	9.40		mg/kg	0.404	--	1	01/18/21 09:46	01/22/21 17:52	EPA 3050B	97,6010D	EW
Zinc, Total	9.24		mg/kg	2.02	--	1	01/18/21 09:46	01/22/21 17:52	EPA 3050B	97,6010D	EW





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-19

Date Collected: 01/13/21 14:20

Client ID: SS-119 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.06	--	1	01/18/21 09:46	01/22/21 17:57	EPA 3050B	97,6010D	EW
Arsenic, Total	3.01		mg/kg	0.411	--	1	01/18/21 09:46	01/22/21 17:57	EPA 3050B	97,6010D	EW
Barium, Total	15.3		mg/kg	0.411	--	1	01/18/21 09:46	01/22/21 17:57	EPA 3050B	97,6010D	EW
Beryllium, Total	ND		mg/kg	0.206	--	1	01/18/21 09:46	01/22/21 17:57	EPA 3050B	97,6010D	EW
Cadmium, Total	0.452		mg/kg	0.411	--	1	01/18/21 09:46	01/22/21 17:57	EPA 3050B	97,6010D	EW
Chromium, Total	27.0		mg/kg	0.411	--	1	01/18/21 09:46	01/22/21 17:57	EPA 3050B	97,6010D	EW
Lead, Total	11.0		mg/kg	2.06	--	1	01/18/21 09:46	01/22/21 17:57	EPA 3050B	97,6010D	EW
Mercury, Total	ND		mg/kg	0.074	--	1	01/18/21 11:44	01/25/21 12:17	EPA 7471B	97,7471B	VW
Nickel, Total	16.2		mg/kg	1.03	--	1	01/18/21 09:46	01/22/21 17:57	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.06	--	1	01/18/21 09:46	01/22/21 17:57	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.411	--	1	01/18/21 09:46	01/22/21 17:57	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.06	--	1	01/18/21 09:46	01/22/21 17:57	EPA 3050B	97,6010D	EW
Vanadium, Total	15.2		mg/kg	0.411	--	1	01/18/21 09:46	01/22/21 17:57	EPA 3050B	97,6010D	EW
Zinc, Total	30.3		mg/kg	2.06	--	1	01/18/21 09:46	01/22/21 17:57	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-20

Date Collected: 01/13/21 14:25

Client ID: SS-118 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.15	--	1	01/18/21 09:46	01/22/21 18:01	EPA 3050B	97,6010D	EW
Arsenic, Total	4.79		mg/kg	0.431	--	1	01/18/21 09:46	01/22/21 18:01	EPA 3050B	97,6010D	EW
Barium, Total	13.6		mg/kg	0.431	--	1	01/18/21 09:46	01/22/21 18:01	EPA 3050B	97,6010D	EW
Beryllium, Total	ND		mg/kg	0.215	--	1	01/18/21 09:46	01/22/21 18:01	EPA 3050B	97,6010D	EW
Cadmium, Total	ND		mg/kg	0.431	--	1	01/18/21 09:46	01/22/21 18:01	EPA 3050B	97,6010D	EW
Chromium, Total	6.46		mg/kg	0.431	--	1	01/18/21 09:46	01/22/21 18:01	EPA 3050B	97,6010D	EW
Lead, Total	11.4		mg/kg	2.15	--	1	01/18/21 09:46	01/22/21 18:01	EPA 3050B	97,6010D	EW
Mercury, Total	ND		mg/kg	0.076	--	1	01/18/21 11:44	01/25/21 12:20	EPA 7471B	97,7471B	VW
Nickel, Total	4.73		mg/kg	1.08	--	1	01/18/21 09:46	01/22/21 18:01	EPA 3050B	97,6010D	EW
Selenium, Total	ND		mg/kg	2.15	--	1	01/18/21 09:46	01/22/21 18:01	EPA 3050B	97,6010D	EW
Silver, Total	ND		mg/kg	0.431	--	1	01/18/21 09:46	01/22/21 18:01	EPA 3050B	97,6010D	EW
Thallium, Total	ND		mg/kg	2.15	--	1	01/18/21 09:46	01/22/21 18:01	EPA 3050B	97,6010D	EW
Vanadium, Total	17.6		mg/kg	0.431	--	1	01/18/21 09:46	01/22/21 18:01	EPA 3050B	97,6010D	EW
Zinc, Total	18.5		mg/kg	2.15	--	1	01/18/21 09:46	01/22/21 18:01	EPA 3050B	97,6010D	EW



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-21

Date Collected: 01/14/21 08:05

Client ID: SS-118 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.14	--	1	01/19/21 02:29	01/25/21 10:25	EPA 3050B	97,6010D	GD
Arsenic, Total	13.4		mg/kg	0.428	--	1	01/19/21 02:29	01/25/21 10:25	EPA 3050B	97,6010D	GD
Barium, Total	21.9		mg/kg	0.428	--	1	01/19/21 02:29	01/25/21 10:25	EPA 3050B	97,6010D	GD
Beryllium, Total	0.479		mg/kg	0.214	--	1	01/19/21 02:29	01/25/21 10:25	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.428	--	1	01/19/21 02:29	01/25/21 10:25	EPA 3050B	97,6010D	GD
Chromium, Total	11.5		mg/kg	0.428	--	1	01/19/21 02:29	01/25/21 10:25	EPA 3050B	97,6010D	GD
Lead, Total	10.3		mg/kg	2.14	--	1	01/19/21 02:29	01/25/21 10:25	EPA 3050B	97,6010D	GD
Mercury, Total	ND		mg/kg	0.077	--	1	01/19/21 02:37	01/25/21 14:59	EPA 7471B	97,7471B	VW
Nickel, Total	11.1		mg/kg	1.07	--	1	01/19/21 02:29	01/25/21 10:25	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.14	--	1	01/19/21 02:29	01/25/21 10:25	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.428	--	1	01/19/21 02:29	01/25/21 10:25	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.14	--	1	01/19/21 02:29	01/25/21 10:25	EPA 3050B	97,6010D	GD
Vanadium, Total	67.6		mg/kg	0.428	--	1	01/19/21 02:29	01/25/21 10:25	EPA 3050B	97,6010D	GD
Zinc, Total	36.1		mg/kg	2.14	--	1	01/19/21 02:29	01/25/21 10:25	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-22

Date Collected: 01/14/21 08:50

Client ID: SS-115 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.37	--	1	01/19/21 02:29	01/25/21 10:30	EPA 3050B	97,6010D	GD
Arsenic, Total	11.7		mg/kg	0.473	--	1	01/19/21 02:29	01/25/21 10:30	EPA 3050B	97,6010D	GD
Barium, Total	37.2		mg/kg	0.473	--	1	01/19/21 02:29	01/25/21 10:30	EPA 3050B	97,6010D	GD
Beryllium, Total	0.440		mg/kg	0.237	--	1	01/19/21 02:29	01/25/21 10:30	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.473	--	1	01/19/21 02:29	01/25/21 10:30	EPA 3050B	97,6010D	GD
Chromium, Total	10.5		mg/kg	0.473	--	1	01/19/21 02:29	01/25/21 10:30	EPA 3050B	97,6010D	GD
Lead, Total	58.0		mg/kg	2.37	--	1	01/19/21 02:29	01/25/21 10:30	EPA 3050B	97,6010D	GD
Mercury, Total	0.089		mg/kg	0.086	--	1	01/19/21 02:37	01/25/21 15:02	EPA 7471B	97,7471B	VW
Nickel, Total	9.93		mg/kg	1.18	--	1	01/19/21 02:29	01/25/21 10:30	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.37	--	1	01/19/21 02:29	01/25/21 10:30	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.473	--	1	01/19/21 02:29	01/25/21 10:30	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.37	--	1	01/19/21 02:29	01/25/21 10:30	EPA 3050B	97,6010D	GD
Vanadium, Total	25.1		mg/kg	0.473	--	1	01/19/21 02:29	01/25/21 10:30	EPA 3050B	97,6010D	GD
Zinc, Total	55.4		mg/kg	2.37	--	1	01/19/21 02:29	01/25/21 10:30	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-23

Date Collected: 01/14/21 08:55

Client ID: SS-115 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.04	--	1	01/19/21 02:29	01/25/21 10:34	EPA 3050B	97,6010D	GD
Arsenic, Total	9.01		mg/kg	0.409	--	1	01/19/21 02:29	01/25/21 10:34	EPA 3050B	97,6010D	GD
Barium, Total	13.9		mg/kg	0.409	--	1	01/19/21 02:29	01/25/21 10:34	EPA 3050B	97,6010D	GD
Beryllium, Total	0.368		mg/kg	0.204	--	1	01/19/21 02:29	01/25/21 10:34	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.409	--	1	01/19/21 02:29	01/25/21 10:34	EPA 3050B	97,6010D	GD
Chromium, Total	6.24		mg/kg	0.409	--	1	01/19/21 02:29	01/25/21 10:34	EPA 3050B	97,6010D	GD
Lead, Total	9.24		mg/kg	2.04	--	1	01/19/21 02:29	01/25/21 10:34	EPA 3050B	97,6010D	GD
Mercury, Total	ND		mg/kg	0.078	--	1	01/19/21 02:37	01/25/21 15:12	EPA 7471B	97,7471B	VW
Nickel, Total	8.35		mg/kg	1.02	--	1	01/19/21 02:29	01/25/21 10:34	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.04	--	1	01/19/21 02:29	01/25/21 10:34	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.409	--	1	01/19/21 02:29	01/25/21 10:34	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.04	--	1	01/19/21 02:29	01/25/21 10:34	EPA 3050B	97,6010D	GD
Vanadium, Total	49.9		mg/kg	0.409	--	1	01/19/21 02:29	01/25/21 10:34	EPA 3050B	97,6010D	GD
Zinc, Total	15.2		mg/kg	2.04	--	1	01/19/21 02:29	01/25/21 10:34	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-24

Date Collected: 01/14/21 09:35

Client ID: UU-5 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.70	--	1	01/19/21 02:29	01/25/21 11:15	EPA 3050B	97,6010D	GD
Arsenic, Total	40.0		mg/kg	0.540	--	1	01/19/21 02:29	01/25/21 11:15	EPA 3050B	97,6010D	GD
Barium, Total	65.6		mg/kg	0.540	--	1	01/19/21 02:29	01/25/21 11:15	EPA 3050B	97,6010D	GD
Beryllium, Total	1.32		mg/kg	0.270	--	1	01/19/21 02:29	01/25/21 11:15	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.540	--	1	01/19/21 02:29	01/25/21 11:15	EPA 3050B	97,6010D	GD
Chromium, Total	10.8		mg/kg	0.540	--	1	01/19/21 02:29	01/25/21 11:15	EPA 3050B	97,6010D	GD
Lead, Total	24.6		mg/kg	2.70	--	1	01/19/21 02:29	01/25/21 11:15	EPA 3050B	97,6010D	GD
Mercury, Total	ND		mg/kg	0.099	--	1	01/19/21 02:37	01/25/21 15:15	EPA 7471B	97,7471B	VW
Nickel, Total	13.8		mg/kg	1.35	--	1	01/19/21 02:29	01/25/21 11:15	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.70	--	1	01/19/21 02:29	01/25/21 11:15	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.540	--	1	01/19/21 02:29	01/25/21 11:15	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.70	--	1	01/19/21 02:29	01/25/21 11:15	EPA 3050B	97,6010D	GD
Vanadium, Total	44.0		mg/kg	0.540	--	1	01/19/21 02:29	01/25/21 11:15	EPA 3050B	97,6010D	GD
Zinc, Total	26.3		mg/kg	2.70	--	1	01/19/21 02:29	01/25/21 11:15	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-25

Date Collected: 01/14/21 09:50

Client ID: UU-5 (3-6.5')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	3.46		mg/kg	2.50	--	1	01/19/21 02:29	01/25/21 11:19	EPA 3050B	97,6010D	GD
Arsenic, Total	86.3		mg/kg	0.500	--	1	01/19/21 02:29	01/25/21 11:19	EPA 3050B	97,6010D	GD
Barium, Total	122		mg/kg	0.500	--	1	01/19/21 02:29	01/25/21 11:19	EPA 3050B	97,6010D	GD
Beryllium, Total	2.21		mg/kg	0.250	--	1	01/19/21 02:29	01/25/21 11:19	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.500	--	1	01/19/21 02:29	01/25/21 11:19	EPA 3050B	97,6010D	GD
Chromium, Total	16.1		mg/kg	0.500	--	1	01/19/21 02:29	01/25/21 11:19	EPA 3050B	97,6010D	GD
Lead, Total	26.1		mg/kg	2.50	--	1	01/19/21 02:29	01/25/21 11:19	EPA 3050B	97,6010D	GD
Mercury, Total	0.147		mg/kg	0.093	--	1	01/19/21 02:37	01/25/21 15:19	EPA 7471B	97,7471B	VW
Nickel, Total	21.8		mg/kg	1.25	--	1	01/19/21 02:29	01/25/21 11:19	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.50	--	1	01/19/21 02:29	01/25/21 11:19	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.500	--	1	01/19/21 02:29	01/25/21 11:19	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.50	--	1	01/19/21 02:29	01/25/21 11:19	EPA 3050B	97,6010D	GD
Vanadium, Total	88.6		mg/kg	0.500	--	1	01/19/21 02:29	01/25/21 11:19	EPA 3050B	97,6010D	GD
Zinc, Total	25.5		mg/kg	2.50	--	1	01/19/21 02:29	01/25/21 11:19	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-26

Date Collected: 01/14/21 09:55

Client ID: SS-112 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.29	--	1	01/19/21 02:29	01/25/21 11:23	EPA 3050B	97,6010D	GD
Arsenic, Total	25.8		mg/kg	0.459	--	1	01/19/21 02:29	01/25/21 11:23	EPA 3050B	97,6010D	GD
Barium, Total	41.3		mg/kg	0.459	--	1	01/19/21 02:29	01/25/21 11:23	EPA 3050B	97,6010D	GD
Beryllium, Total	0.702		mg/kg	0.229	--	1	01/19/21 02:29	01/25/21 11:23	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.459	--	1	01/19/21 02:29	01/25/21 11:23	EPA 3050B	97,6010D	GD
Chromium, Total	12.0		mg/kg	0.459	--	1	01/19/21 02:29	01/25/21 11:23	EPA 3050B	97,6010D	GD
Lead, Total	10.9		mg/kg	2.29	--	1	01/19/21 02:29	01/25/21 11:23	EPA 3050B	97,6010D	GD
Mercury, Total	ND		mg/kg	0.082	--	1	01/19/21 02:37	01/25/21 15:22	EPA 7471B	97,7471B	VW
Nickel, Total	9.42		mg/kg	1.15	--	1	01/19/21 02:29	01/25/21 11:23	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.29	--	1	01/19/21 02:29	01/25/21 11:23	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.459	--	1	01/19/21 02:29	01/25/21 11:23	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.29	--	1	01/19/21 02:29	01/25/21 11:23	EPA 3050B	97,6010D	GD
Vanadium, Total	31.6		mg/kg	0.459	--	1	01/19/21 02:29	01/25/21 11:23	EPA 3050B	97,6010D	GD
Zinc, Total	20.1		mg/kg	2.29	--	1	01/19/21 02:29	01/25/21 11:23	EPA 3050B	97,6010D	GD





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-27

Date Collected: 01/14/21 10:00

Client ID: SS-112 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.19	--	1	01/19/21 02:29	01/25/21 11:28	EPA 3050B	97,6010D	GD
Arsenic, Total	9.87		mg/kg	0.438	--	1	01/19/21 02:29	01/25/21 11:28	EPA 3050B	97,6010D	GD
Barium, Total	17.2		mg/kg	0.438	--	1	01/19/21 02:29	01/25/21 11:28	EPA 3050B	97,6010D	GD
Beryllium, Total	0.355		mg/kg	0.219	--	1	01/19/21 02:29	01/25/21 11:28	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.438	--	1	01/19/21 02:29	01/25/21 11:28	EPA 3050B	97,6010D	GD
Chromium, Total	8.46		mg/kg	0.438	--	1	01/19/21 02:29	01/25/21 11:28	EPA 3050B	97,6010D	GD
Lead, Total	9.77		mg/kg	2.19	--	1	01/19/21 02:29	01/25/21 11:28	EPA 3050B	97,6010D	GD
Mercury, Total	ND		mg/kg	0.080	--	1	01/19/21 02:37	01/25/21 15:25	EPA 7471B	97,7471B	VW
Nickel, Total	8.61		mg/kg	1.09	--	1	01/19/21 02:29	01/25/21 11:28	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.19	--	1	01/19/21 02:29	01/25/21 11:28	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.438	--	1	01/19/21 02:29	01/25/21 11:28	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.19	--	1	01/19/21 02:29	01/25/21 11:28	EPA 3050B	97,6010D	GD
Vanadium, Total	36.9		mg/kg	0.438	--	1	01/19/21 02:29	01/25/21 11:28	EPA 3050B	97,6010D	GD
Zinc, Total	16.6		mg/kg	2.19	--	1	01/19/21 02:29	01/25/21 11:28	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-28

Date Collected: 01/14/21 10:30

Client ID: UU-2 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.31	--	1	01/19/21 02:29	01/25/21 11:32	EPA 3050B	97,6010D	GD
Arsenic, Total	47.8		mg/kg	0.462	--	1	01/19/21 02:29	01/25/21 11:32	EPA 3050B	97,6010D	GD
Barium, Total	56.7		mg/kg	0.462	--	1	01/19/21 02:29	01/25/21 11:32	EPA 3050B	97,6010D	GD
Beryllium, Total	1.27		mg/kg	0.231	--	1	01/19/21 02:29	01/25/21 11:32	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.462	--	1	01/19/21 02:29	01/25/21 11:32	EPA 3050B	97,6010D	GD
Chromium, Total	11.1		mg/kg	0.462	--	1	01/19/21 02:29	01/25/21 11:32	EPA 3050B	97,6010D	GD
Lead, Total	14.8		mg/kg	2.31	--	1	01/19/21 02:29	01/25/21 11:32	EPA 3050B	97,6010D	GD
Mercury, Total	ND		mg/kg	0.092	--	1	01/19/21 02:37	01/25/21 15:29	EPA 7471B	97,7471B	VW
Nickel, Total	11.1		mg/kg	1.16	--	1	01/19/21 02:29	01/25/21 11:32	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.31	--	1	01/19/21 02:29	01/25/21 11:32	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.462	--	1	01/19/21 02:29	01/25/21 11:32	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.31	--	1	01/19/21 02:29	01/25/21 11:32	EPA 3050B	97,6010D	GD
Vanadium, Total	43.4		mg/kg	0.462	--	1	01/19/21 02:29	01/25/21 11:32	EPA 3050B	97,6010D	GD
Zinc, Total	22.7		mg/kg	2.31	--	1	01/19/21 02:29	01/25/21 11:32	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-29

Date Collected: 01/14/21 10:35

Client ID: SS-120 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.34	--	1	01/19/21 02:29	01/25/21 11:37	EPA 3050B	97,6010D	GD
Arsenic, Total	4.46		mg/kg	0.468	--	1	01/19/21 02:29	01/25/21 11:37	EPA 3050B	97,6010D	GD
Barium, Total	20.9		mg/kg	0.468	--	1	01/19/21 02:29	01/25/21 11:37	EPA 3050B	97,6010D	GD
Beryllium, Total	ND		mg/kg	0.234	--	1	01/19/21 02:29	01/25/21 11:37	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.468	--	1	01/19/21 02:29	01/25/21 11:37	EPA 3050B	97,6010D	GD
Chromium, Total	10.1		mg/kg	0.468	--	1	01/19/21 02:29	01/25/21 11:37	EPA 3050B	97,6010D	GD
Lead, Total	19.6		mg/kg	2.34	--	1	01/19/21 02:29	01/25/21 11:37	EPA 3050B	97,6010D	GD
Mercury, Total	ND		mg/kg	0.090	--	1	01/19/21 02:37	01/25/21 15:32	EPA 7471B	97,7471B	VW
Nickel, Total	7.62		mg/kg	1.17	--	1	01/19/21 02:29	01/25/21 11:37	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.34	--	1	01/19/21 02:29	01/25/21 11:37	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.468	--	1	01/19/21 02:29	01/25/21 11:37	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.34	--	1	01/19/21 02:29	01/25/21 11:37	EPA 3050B	97,6010D	GD
Vanadium, Total	17.9		mg/kg	0.468	--	1	01/19/21 02:29	01/25/21 11:37	EPA 3050B	97,6010D	GD
Zinc, Total	32.8		mg/kg	2.34	--	1	01/19/21 02:29	01/25/21 11:37	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-30

Date Collected: 01/14/21 10:40

Client ID: SS-120 (1-2')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.14	--	1	01/19/21 02:29	01/25/21 11:41	EPA 3050B	97,6010D	GD
Arsenic, Total	4.57		mg/kg	0.427	--	1	01/19/21 02:29	01/25/21 11:41	EPA 3050B	97,6010D	GD
Barium, Total	17.8		mg/kg	0.427	--	1	01/19/21 02:29	01/25/21 11:41	EPA 3050B	97,6010D	GD
Beryllium, Total	0.235		mg/kg	0.214	--	1	01/19/21 02:29	01/25/21 11:41	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.427	--	1	01/19/21 02:29	01/25/21 11:41	EPA 3050B	97,6010D	GD
Chromium, Total	23.1		mg/kg	0.427	--	1	01/19/21 02:29	01/25/21 11:41	EPA 3050B	97,6010D	GD
Lead, Total	13.1		mg/kg	2.14	--	1	01/19/21 02:29	01/25/21 11:41	EPA 3050B	97,6010D	GD
Mercury, Total	ND		mg/kg	0.083	--	1	01/19/21 02:37	01/25/21 15:35	EPA 7471B	97,7471B	VW
Nickel, Total	15.2		mg/kg	1.07	--	1	01/19/21 02:29	01/25/21 11:41	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.14	--	1	01/19/21 02:29	01/25/21 11:41	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.427	--	1	01/19/21 02:29	01/25/21 11:41	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.14	--	1	01/19/21 02:29	01/25/21 11:41	EPA 3050B	97,6010D	GD
Vanadium, Total	21.3		mg/kg	0.427	--	1	01/19/21 02:29	01/25/21 11:41	EPA 3050B	97,6010D	GD
Zinc, Total	41.2		mg/kg	2.14	--	1	01/19/21 02:29	01/25/21 11:41	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-31

Date Collected: 01/14/21 11:15

Client ID: UU-7 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.18	--	1	01/19/21 02:29	01/25/21 11:46	EPA 3050B	97,6010D	GD
Arsenic, Total	25.9		mg/kg	0.437	--	1	01/19/21 02:29	01/25/21 11:46	EPA 3050B	97,6010D	GD
Barium, Total	33.9		mg/kg	0.437	--	1	01/19/21 02:29	01/25/21 11:46	EPA 3050B	97,6010D	GD
Beryllium, Total	0.743		mg/kg	0.218	--	1	01/19/21 02:29	01/25/21 11:46	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.437	--	1	01/19/21 02:29	01/25/21 11:46	EPA 3050B	97,6010D	GD
Chromium, Total	7.56		mg/kg	0.437	--	1	01/19/21 02:29	01/25/21 11:46	EPA 3050B	97,6010D	GD
Lead, Total	9.78		mg/kg	2.18	--	1	01/19/21 02:29	01/25/21 11:46	EPA 3050B	97,6010D	GD
Mercury, Total	ND		mg/kg	0.089	--	1	01/19/21 02:37	01/25/21 15:38	EPA 7471B	97,7471B	VW
Nickel, Total	7.96		mg/kg	1.09	--	1	01/19/21 02:29	01/25/21 11:46	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.18	--	1	01/19/21 02:29	01/25/21 11:46	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.437	--	1	01/19/21 02:29	01/25/21 11:46	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.18	--	1	01/19/21 02:29	01/25/21 11:46	EPA 3050B	97,6010D	GD
Vanadium, Total	29.9		mg/kg	0.437	--	1	01/19/21 02:29	01/25/21 11:46	EPA 3050B	97,6010D	GD
Zinc, Total	15.4		mg/kg	2.18	--	1	01/19/21 02:29	01/25/21 11:46	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-32

Date Collected: 01/14/21 13:35

Client ID: SS-121 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.38	--	1	01/19/21 02:29	01/25/21 11:51	EPA 3050B	97,6010D	GD
Arsenic, Total	25.0		mg/kg	0.475	--	1	01/19/21 02:29	01/25/21 11:51	EPA 3050B	97,6010D	GD
Barium, Total	52.8		mg/kg	0.475	--	1	01/19/21 02:29	01/25/21 11:51	EPA 3050B	97,6010D	GD
Beryllium, Total	0.832		mg/kg	0.238	--	1	01/19/21 02:29	01/25/21 11:51	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.475	--	1	01/19/21 02:29	01/25/21 11:51	EPA 3050B	97,6010D	GD
Chromium, Total	14.4		mg/kg	0.475	--	1	01/19/21 02:29	01/25/21 11:51	EPA 3050B	97,6010D	GD
Lead, Total	21.3		mg/kg	2.38	--	1	01/19/21 02:29	01/25/21 11:51	EPA 3050B	97,6010D	GD
Mercury, Total	ND		mg/kg	0.099	--	1	01/19/21 02:37	01/25/21 15:42	EPA 7471B	97,7471B	VW
Nickel, Total	17.3		mg/kg	1.19	--	1	01/19/21 02:29	01/25/21 11:51	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.38	--	1	01/19/21 02:29	01/25/21 11:51	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.475	--	1	01/19/21 02:29	01/25/21 11:51	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.38	--	1	01/19/21 02:29	01/25/21 11:51	EPA 3050B	97,6010D	GD
Vanadium, Total	74.0		mg/kg	0.475	--	1	01/19/21 02:29	01/25/21 11:51	EPA 3050B	97,6010D	GD
Zinc, Total	47.3		mg/kg	2.38	--	1	01/19/21 02:29	01/25/21 11:51	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-33

Date Collected: 01/14/21 13:40

Client ID: SS-121 (1-2')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.30	--	1	01/19/21 02:29	01/25/21 11:55	EPA 3050B	97,6010D	GD
Arsenic, Total	34.9		mg/kg	0.460	--	1	01/19/21 02:29	01/25/21 11:55	EPA 3050B	97,6010D	GD
Barium, Total	62.7		mg/kg	0.460	--	1	01/19/21 02:29	01/25/21 11:55	EPA 3050B	97,6010D	GD
Beryllium, Total	0.995		mg/kg	0.230	--	1	01/19/21 02:29	01/25/21 11:55	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.460	--	1	01/19/21 02:29	01/25/21 11:55	EPA 3050B	97,6010D	GD
Chromium, Total	13.4		mg/kg	0.460	--	1	01/19/21 02:29	01/25/21 11:55	EPA 3050B	97,6010D	GD
Lead, Total	25.4		mg/kg	2.30	--	1	01/19/21 02:29	01/25/21 11:55	EPA 3050B	97,6010D	GD
Mercury, Total	ND		mg/kg	0.091	--	1	01/19/21 02:37	01/25/21 15:52	EPA 7471B	97,7471B	VW
Nickel, Total	16.5		mg/kg	1.15	--	1	01/19/21 02:29	01/25/21 11:55	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.30	--	1	01/19/21 02:29	01/25/21 11:55	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.460	--	1	01/19/21 02:29	01/25/21 11:55	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.30	--	1	01/19/21 02:29	01/25/21 11:55	EPA 3050B	97,6010D	GD
Vanadium, Total	63.8		mg/kg	0.460	--	1	01/19/21 02:29	01/25/21 11:55	EPA 3050B	97,6010D	GD
Zinc, Total	39.4		mg/kg	2.30	--	1	01/19/21 02:29	01/25/21 11:55	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-34

Date Collected: 01/14/21 14:35

Client ID: UU-4 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	2.78		mg/kg	2.37	--	1	01/19/21 02:29	01/25/21 12:18	EPA 3050B	97,6010D	GD
Arsenic, Total	91.0		mg/kg	0.474	--	1	01/19/21 02:29	01/25/21 12:18	EPA 3050B	97,6010D	GD
Barium, Total	104		mg/kg	0.474	--	1	01/19/21 02:29	01/25/21 12:18	EPA 3050B	97,6010D	GD
Beryllium, Total	2.28		mg/kg	0.237	--	1	01/19/21 02:29	01/25/21 12:18	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.474	--	1	01/19/21 02:29	01/25/21 12:18	EPA 3050B	97,6010D	GD
Chromium, Total	15.5		mg/kg	0.474	--	1	01/19/21 02:29	01/25/21 12:18	EPA 3050B	97,6010D	GD
Lead, Total	17.6		mg/kg	2.37	--	1	01/19/21 02:29	01/25/21 12:18	EPA 3050B	97,6010D	GD
Mercury, Total	0.120		mg/kg	0.093	--	1	01/19/21 02:37	01/25/21 15:55	EPA 7471B	97,7471B	VW
Nickel, Total	24.4		mg/kg	1.18	--	1	01/19/21 02:29	01/25/21 12:18	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.37	--	1	01/19/21 02:29	01/25/21 12:18	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.474	--	1	01/19/21 02:29	01/25/21 12:18	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.37	--	1	01/19/21 02:29	01/25/21 12:18	EPA 3050B	97,6010D	GD
Vanadium, Total	96.2		mg/kg	0.474	--	1	01/19/21 02:29	01/25/21 12:18	EPA 3050B	97,6010D	GD
Zinc, Total	28.8		mg/kg	2.37	--	1	01/19/21 02:29	01/25/21 12:18	EPA 3050B	97,6010D	GD





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-35

Date Collected: 01/14/21 14:45

Client ID: UU-4 (3-7')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	2.68		mg/kg	2.41	--	1	01/19/21 02:29	01/25/21 12:22	EPA 3050B	97,6010D	GD
Arsenic, Total	79.1		mg/kg	0.483	--	1	01/19/21 02:29	01/25/21 12:22	EPA 3050B	97,6010D	GD
Barium, Total	93.3		mg/kg	0.483	--	1	01/19/21 02:29	01/25/21 12:22	EPA 3050B	97,6010D	GD
Beryllium, Total	2.09		mg/kg	0.241	--	1	01/19/21 02:29	01/25/21 12:22	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.483	--	1	01/19/21 02:29	01/25/21 12:22	EPA 3050B	97,6010D	GD
Chromium, Total	14.0		mg/kg	0.483	--	1	01/19/21 02:29	01/25/21 12:22	EPA 3050B	97,6010D	GD
Lead, Total	16.7		mg/kg	2.41	--	1	01/19/21 02:29	01/25/21 12:22	EPA 3050B	97,6010D	GD
Mercury, Total	0.115		mg/kg	0.094	--	1	01/19/21 02:37	01/25/21 15:58	EPA 7471B	97,7471B	VW
Nickel, Total	19.3		mg/kg	1.21	--	1	01/19/21 02:29	01/25/21 12:22	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.41	--	1	01/19/21 02:29	01/25/21 12:22	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.483	--	1	01/19/21 02:29	01/25/21 12:22	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.41	--	1	01/19/21 02:29	01/25/21 12:22	EPA 3050B	97,6010D	GD
Vanadium, Total	74.9		mg/kg	0.483	--	1	01/19/21 02:29	01/25/21 12:22	EPA 3050B	97,6010D	GD
Zinc, Total	26.6		mg/kg	2.41	--	1	01/19/21 02:29	01/25/21 12:22	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-36

Date Collected: 01/14/21 14:45

Client ID: SS-122 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.25	--	1	01/19/21 02:29	01/25/21 10:38	EPA 3050B	97,6010D	GD
Arsenic, Total	15.4		mg/kg	0.449	--	1	01/19/21 02:29	01/25/21 10:38	EPA 3050B	97,6010D	GD
Barium, Total	32.5		mg/kg	0.449	--	1	01/19/21 02:29	01/25/21 10:38	EPA 3050B	97,6010D	GD
Beryllium, Total	0.508		mg/kg	0.225	--	1	01/19/21 02:29	01/25/21 10:38	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.449	--	1	01/19/21 02:29	01/25/21 10:38	EPA 3050B	97,6010D	GD
Chromium, Total	8.18		mg/kg	0.449	--	1	01/19/21 02:29	01/25/21 10:38	EPA 3050B	97,6010D	GD
Lead, Total	16.6		mg/kg	2.25	--	1	01/19/21 02:29	01/25/21 10:38	EPA 3050B	97,6010D	GD
Mercury, Total	ND		mg/kg	0.076	--	1	01/19/21 02:37	01/25/21 14:49	EPA 7471B	97,7471B	VW
Nickel, Total	7.02		mg/kg	1.12	--	1	01/19/21 02:29	01/25/21 10:38	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.25	--	1	01/19/21 02:29	01/25/21 10:38	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.449	--	1	01/19/21 02:29	01/25/21 10:38	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.25	--	1	01/19/21 02:29	01/25/21 10:38	EPA 3050B	97,6010D	GD
Vanadium, Total	33.0		mg/kg	0.449	--	1	01/19/21 02:29	01/25/21 10:38	EPA 3050B	97,6010D	GD
Zinc, Total	21.2		mg/kg	2.25	--	1	01/19/21 02:29	01/25/21 10:38	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-37

Date Collected: 01/14/21 14:50

Client ID: SS-122 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.33	--	1	01/19/21 02:29	01/25/21 12:27	EPA 3050B	97,6010D	GD
Arsenic, Total	60.5		mg/kg	0.466	--	1	01/19/21 02:29	01/25/21 12:27	EPA 3050B	97,6010D	GD
Barium, Total	102		mg/kg	0.466	--	1	01/19/21 02:29	01/25/21 12:27	EPA 3050B	97,6010D	GD
Beryllium, Total	1.64		mg/kg	0.233	--	1	01/19/21 02:29	01/25/21 12:27	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.466	--	1	01/19/21 02:29	01/25/21 12:27	EPA 3050B	97,6010D	GD
Chromium, Total	20.5		mg/kg	0.466	--	1	01/19/21 02:29	01/25/21 12:27	EPA 3050B	97,6010D	GD
Lead, Total	23.3		mg/kg	2.33	--	1	01/19/21 02:29	01/25/21 12:27	EPA 3050B	97,6010D	GD
Mercury, Total	0.135		mg/kg	0.084	--	1	01/19/21 02:37	01/25/21 16:02	EPA 7471B	97,7471B	VW
Nickel, Total	20.0		mg/kg	1.16	--	1	01/19/21 02:29	01/25/21 12:27	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.33	--	1	01/19/21 02:29	01/25/21 12:27	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.466	--	1	01/19/21 02:29	01/25/21 12:27	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.33	--	1	01/19/21 02:29	01/25/21 12:27	EPA 3050B	97,6010D	GD
Vanadium, Total	86.0		mg/kg	0.466	--	1	01/19/21 02:29	01/25/21 12:27	EPA 3050B	97,6010D	GD
Zinc, Total	42.3		mg/kg	2.33	--	1	01/19/21 02:29	01/25/21 12:27	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-38

Date Collected: 01/14/21 13:45

Client ID: DUP-10

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.26	--	1	01/19/21 02:29	01/25/21 12:31	EPA 3050B	97,6010D	GD
Arsenic, Total	19.7		mg/kg	0.451	--	1	01/19/21 02:29	01/25/21 12:31	EPA 3050B	97,6010D	GD
Barium, Total	36.5		mg/kg	0.451	--	1	01/19/21 02:29	01/25/21 12:31	EPA 3050B	97,6010D	GD
Beryllium, Total	0.673		mg/kg	0.226	--	1	01/19/21 02:29	01/25/21 12:31	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	0.451	--	1	01/19/21 02:29	01/25/21 12:31	EPA 3050B	97,6010D	GD
Chromium, Total	10.5		mg/kg	0.451	--	1	01/19/21 02:29	01/25/21 12:31	EPA 3050B	97,6010D	GD
Lead, Total	17.8		mg/kg	2.26	--	1	01/19/21 02:29	01/25/21 12:31	EPA 3050B	97,6010D	GD
Mercury, Total	ND		mg/kg	0.086	--	1	01/19/21 02:37	01/25/21 16:05	EPA 7471B	97,7471B	VW
Nickel, Total	9.83		mg/kg	1.13	--	1	01/19/21 02:29	01/25/21 12:31	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	2.26	--	1	01/19/21 02:29	01/25/21 12:31	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	0.451	--	1	01/19/21 02:29	01/25/21 12:31	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	2.26	--	1	01/19/21 02:29	01/25/21 12:31	EPA 3050B	97,6010D	GD
Vanadium, Total	39.6		mg/kg	0.451	--	1	01/19/21 02:29	01/25/21 12:31	EPA 3050B	97,6010D	GD
Zinc, Total	25.9		mg/kg	2.26	--	1	01/19/21 02:29	01/25/21 12:31	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102136  
**Report Date:** 01/25/21

### Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-20 Batch: WG1455429-1									
Antimony, Total	ND	mg/kg	2.00	--	1	01/18/21 09:46	01/22/21 15:39	97,6010D	EW
Arsenic, Total	ND	mg/kg	0.400	--	1	01/18/21 09:46	01/22/21 15:39	97,6010D	EW
Barium, Total	ND	mg/kg	0.400	--	1	01/18/21 09:46	01/22/21 15:39	97,6010D	EW
Beryllium, Total	ND	mg/kg	0.200	--	1	01/18/21 09:46	01/22/21 15:39	97,6010D	EW
Cadmium, Total	ND	mg/kg	0.400	--	1	01/18/21 09:46	01/22/21 15:39	97,6010D	EW
Chromium, Total	ND	mg/kg	0.400	--	1	01/18/21 09:46	01/22/21 15:39	97,6010D	EW
Lead, Total	ND	mg/kg	2.00	--	1	01/18/21 09:46	01/22/21 15:39	97,6010D	EW
Nickel, Total	ND	mg/kg	1.00	--	1	01/18/21 09:46	01/22/21 15:39	97,6010D	EW
Selenium, Total	ND	mg/kg	2.00	--	1	01/18/21 09:46	01/22/21 15:39	97,6010D	EW
Silver, Total	ND	mg/kg	0.400	--	1	01/18/21 09:46	01/22/21 15:39	97,6010D	EW
Thallium, Total	ND	mg/kg	2.00	--	1	01/18/21 09:46	01/22/21 15:39	97,6010D	EW
Vanadium, Total	ND	mg/kg	0.400	--	1	01/18/21 09:46	01/22/21 15:39	97,6010D	EW
Zinc, Total	ND	mg/kg	2.00	--	1	01/18/21 09:46	01/22/21 15:39	97,6010D	EW

#### Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-20 Batch: WG1455430-1									
Mercury, Total	ND	mg/kg	0.167	--	1	01/18/21 11:44	01/25/21 10:51	97,7471B	VW

#### Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 21-38 Batch: WG1455431-1									
Antimony, Total	ND	mg/kg	2.00	--	1	01/19/21 02:29	01/25/21 09:30	97,6010D	GD
Arsenic, Total	ND	mg/kg	0.400	--	1	01/19/21 02:29	01/25/21 09:30	97,6010D	GD
Barium, Total	ND	mg/kg	0.400	--	1	01/19/21 02:29	01/25/21 09:30	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102136  
**Report Date:** 01/25/21

### Method Blank Analysis Batch Quality Control

Beryllium, Total	ND	mg/kg	0.200	--	1	01/19/21 02:29	01/25/21 09:30	97,6010D	GD
Cadmium, Total	ND	mg/kg	0.400	--	1	01/19/21 02:29	01/25/21 09:30	97,6010D	GD
Chromium, Total	ND	mg/kg	0.400	--	1	01/19/21 02:29	01/25/21 09:30	97,6010D	GD
Lead, Total	ND	mg/kg	2.00	--	1	01/19/21 02:29	01/25/21 09:30	97,6010D	GD
Nickel, Total	ND	mg/kg	1.00	--	1	01/19/21 02:29	01/25/21 09:30	97,6010D	GD
Selenium, Total	ND	mg/kg	2.00	--	1	01/19/21 02:29	01/25/21 09:30	97,6010D	GD
Silver, Total	ND	mg/kg	0.400	--	1	01/19/21 02:29	01/25/21 09:30	97,6010D	GD
Thallium, Total	ND	mg/kg	2.00	--	1	01/19/21 02:29	01/25/21 09:30	97,6010D	GD
Vanadium, Total	ND	mg/kg	0.400	--	1	01/19/21 02:29	01/25/21 09:30	97,6010D	GD
Zinc, Total	ND	mg/kg	2.00	--	1	01/19/21 02:29	01/25/21 09:30	97,6010D	GD

#### Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 21-38 Batch: WG1455434-1									
Mercury, Total	ND	mg/kg	0.083	--	1	01/19/21 02:37	01/25/21 14:39	97,7471B	VW

#### Prep Information

Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK

**Project Number:** 414883

**Lab Number:** L2102136

**Report Date:** 01/25/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Total Metals - Mansfield Lab Associated sample(s): 01-20 Batch: WG1455429-2 WG1455429-3 SRM Lot Number: D109-540								
Antimony, Total	134		129		19-250	4		30
Arsenic, Total	96		94		70-130	2		30
Barium, Total	92		89		75-125	3		30
Beryllium, Total	92		95		75-125	3		30
Cadmium, Total	92		92		75-125	0		30
Chromium, Total	90		90		70-130	0		30
Lead, Total	89		87		72-128	2		30
Nickel, Total	90		91		70-130	1		30
Selenium, Total	97		96		68-132	1		30
Silver, Total	94		90		68-131	4		30
Thallium, Total	91		89		68-131	2		30
Vanadium, Total	92		91		59-141	1		30
Zinc, Total	93		90		70-130	3		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-20 Batch: WG1455430-2 SRM Lot Number: D109-540								
Mercury, Total	93		-		60-140	-		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK

**Project Number:** 414883

**Lab Number:** L2102136

**Report Date:** 01/25/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 21-38 Batch: WG1455431-2 WG1455431-3 SRM Lot Number: D109-540					
Antimony, Total	142	148	19-250	4	30
Arsenic, Total	99	102	70-130	3	30
Barium, Total	92	94	75-125	2	30
Beryllium, Total	105	108	75-125	3	30
Cadmium, Total	104	109	75-125	5	30
Chromium, Total	96	102	70-130	6	30
Lead, Total	93	94	72-128	1	30
Nickel, Total	102	104	70-130	2	30
Selenium, Total	102	107	68-132	5	30
Silver, Total	93	98	68-131	5	30
Thallium, Total	103	106	68-131	3	30
Vanadium, Total	94	100	59-141	6	30
Zinc, Total	93	98	70-130	5	30
MCP Total Metals - Mansfield Lab Associated sample(s): 21-38 Batch: WG1455434-2 WG1455434-3 SRM Lot Number: D109-540					
Mercury, Total	83	92	60-140	10	30



### Matrix Spike Analysis Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102136  
**Report Date:** 01/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1455429-4 WG1455429-5 QC Sample: L2102136-13 Client ID: B-606 (1-3')												
Antimony, Total	ND	47	32.7	70	Q	30.2	64	Q	75-125	8		35
Arsenic, Total	63.1	11.3	65.8	24	Q	68.2	45	Q	75-125	4		35
Cadmium, Total	0.711	4.8	3.91	67	Q	4.16	71	Q	75-125	6		35
Chromium, Total	15.1	18.8	26.5	60	Q	29.1	74	Q	75-125	9		35
Lead, Total	31.3	48	59.4	58	Q	62.2	64	Q	75-125	5		35
Nickel, Total	20.1	47	50.3	64	Q	54.3	72	Q	75-125	8		35
Selenium, Total	ND	11.3	8.41	74	Q	8.57	75		75-125	2		35
Silver, Total	ND	28.2	19.5	69	Q	20.0	70	Q	75-125	3		35
Thallium, Total	ND	11.3	6.83	60	Q	5.83	51	Q	75-125	16		35
Zinc, Total	49.7	47	74.3	52	Q	79.5	63	Q	75-125	7		35
MCP Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1455430-3 WG1455430-4 QC Sample: L2102136-13 Client ID: B-606 (1-3')												
Mercury, Total	0.063	0.0916	0.152	98		0.150	94		75-125	1		35

### Matrix Spike Analysis Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102136  
**Report Date:** 01/25/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 21-38 QC Batch ID: WG1455431-4 WG1455431-5 QC Sample: L2102136-36 Client ID: SS-122 (0-1')									
Antimony, Total	ND	43.5	41.2	95	40.9	93	75-125	1	35
Arsenic, Total	15.4	10.4	30.2	142	Q 26.7	107	75-125	12	35
Barium, Total	32.5	174	203	98	203	97	75-125	0	35
Beryllium, Total	0.508	4.35	4.61	94	4.63	94	75-125	0	35
Cadmium, Total	ND	4.44	4.46	100	4.62	103	75-125	4	35
Chromium, Total	8.18	17.4	25.3	98	26.3	103	75-125	4	35
Lead, Total	16.6	44.4	57.8	93	57.5	91	75-125	1	35
Nickel, Total	7.02	43.5	48.2	95	48.5	94	75-125	1	35
Selenium, Total	ND	10.4	10.0	96	10.5	100	75-125	5	35
Silver, Total	ND	26.1	22.9	88	23.7	90	75-125	3	35
Thallium, Total	ND	10.4	9.10	87	9.30	88	75-125	2	35
Vanadium, Total	33.0	43.5	83.7	116	78.1	103	75-125	7	35
Zinc, Total	21.2	43.5	66.9	105	66.5	103	75-125	1	35

MCP Total Metals - Mansfield Lab Associated sample(s): 21-38 QC Batch ID: WG1455434-4 WG1455434-5 QC Sample: L2102136-36 Client ID: SS-122 (0-1')

Mercury, Total	ND	0.164	0.205	125	0.189	118	75-125	8	35
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Project Name: ENBRIDGE KING'S COVE PARK

Project Number: 414883

**Lab Serial Dilution  
Analysis  
Batch Quality Control**

Lab Number: L2102136

Report Date: 01/25/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
<b>MCP Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1455429-6 QC Sample: L2102136-13 Client ID: B-606 (1-3')</b>						
Arsenic, Total	63.1	85.2	mg/kg	35	Q	20
Barium, Total	116	156	mg/kg	34	Q	20
Chromium, Total	15.1	21.0	mg/kg	39	Q	20
Vanadium, Total	128	178	mg/kg	39	Q	20
<b>MCP Total Metals - Mansfield Lab Associated sample(s): 21-38 QC Batch ID: WG1455431-6 QC Sample: L2102136-36 Client ID: SS-122 (0-1')</b>						
Arsenic, Total	15.4	16.2	mg/kg	5		20
Barium, Total	32.5	33.9	mg/kg	4		20
Vanadium, Total	33.0	34.8	mg/kg	5		20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102136  
**Report Date:** 01/25/21

**SAMPLE RESULTS**

**Lab ID:** L2102136-01  
**Client ID:** B-601 (0-1')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/12/21 13:45  
**Date Received:** 01/14/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	90.6		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-02

Date Collected: 01/12/21 13:50

Client ID: B-601 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	81.2		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-03

Date Collected: 01/12/21 14:25

Client ID: B-601 (3-5')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	78.9		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-04

Date Collected: 01/12/21 12:50

Client ID: B-602 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	90.5		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-05

Date Collected: 01/12/21 13:10

Client ID: B-602 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	76.5		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-06

Date Collected: 01/12/21 11:20

Client ID: B-603 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	82.7		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-07

Date Collected: 01/12/21 11:50

Client ID: B-603 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.6		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-08

Date Collected: 01/12/21 10:20

Client ID: B-604 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.2		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-09

Date Collected: 01/12/21 10:40

Client ID: B-604 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	92.1		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-10

Date Collected: 01/12/21 09:10

Client ID: B-605 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.6		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-11

Date Collected: 01/12/21 09:15

Client ID: B-605 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.4		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-12

Date Collected: 01/13/21 08:20

Client ID: B-606 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.7		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-13

Date Collected: 01/13/21 09:00

Client ID: B-606 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.4		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-14

Date Collected: 01/13/21 10:05

Client ID: UU-9A (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.2		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-15

Date Collected: 01/13/21 10:15

Client ID: UU-9B (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.8		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-16

Date Collected: 01/13/21 10:20

Client ID: UU-9B (3-6')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.8		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-17

Date Collected: 01/13/21 13:15

Client ID: UU-8 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	90.0		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-18

Date Collected: 01/13/21 13:20

Client ID: UU-8 (3-4')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	95.9		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102136  
**Report Date:** 01/25/21

**SAMPLE RESULTS**

**Lab ID:** L2102136-19  
**Client ID:** SS-119 (0-1')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/13/21 14:20  
**Date Received:** 01/14/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	92.8		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-20

Date Collected: 01/13/21 14:25

Client ID: SS-118 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.9		%	0.100	NA	1	-	01/15/21 09:16	121,2540G	RI





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-21

Date Collected: 01/14/21 08:05

Client ID: SS-118 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	91.2		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-22

Date Collected: 01/14/21 08:50

Client ID: SS-115 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	82.4		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



Project Name: ENBRIDGE KING'S COVE PARK

Lab Number: L2102136

Project Number: 414883

Report Date: 01/25/21

## SAMPLE RESULTS

Lab ID: L2102136-23

Date Collected: 01/14/21 08:55

Client ID: SS-115 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.6		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-24

Date Collected: 01/14/21 09:35

Client ID: UU-5 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	72.9		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-25

Date Collected: 01/14/21 09:50

Client ID: UU-5 (3-6.5')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	79.4		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-26

Date Collected: 01/14/21 09:55

Client ID: SS-112 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.0		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-27

Date Collected: 01/14/21 10:00

Client ID: SS-112 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.3		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-28

Date Collected: 01/14/21 10:30

Client ID: UU-2 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.3		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-29

Date Collected: 01/14/21 10:35

Client ID: SS-120 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	82.3		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102136  
**Report Date:** 01/25/21

**SAMPLE RESULTS**

**Lab ID:** L2102136-30  
**Client ID:** SS-120 (1-2')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/14/21 10:40  
**Date Received:** 01/14/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	90.5		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-31

Date Collected: 01/14/21 11:15

Client ID: UU-7 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.9		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-32

Date Collected: 01/14/21 13:35

Client ID: SS-121 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.8		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-33

Date Collected: 01/14/21 13:40

Client ID: SS-121 (1-2')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.0		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-34

Date Collected: 01/14/21 14:35

Client ID: UU-4 (0-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.3		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-35

Date Collected: 01/14/21 14:45

Client ID: UU-4 (3-7')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.6		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-36

Date Collected: 01/14/21 14:45

Client ID: SS-122 (0-1')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.7		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-37

Date Collected: 01/14/21 14:50

Client ID: SS-122 (1-3')

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.3		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102136**Project Number:** 414883**Report Date:** 01/25/21**SAMPLE RESULTS**

Lab ID: L2102136-38

Date Collected: 01/14/21 13:45

Client ID: DUP-10

Date Received: 01/14/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.2		%	0.100	NA	1	-	01/15/21 10:30	121,2540G	RI



## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** ENBRIDGE KING'S COVE PARK

**Project Number:** 414883

**Lab Number:** L2102136

**Report Date:** 01/25/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG1455315-1 QC Sample: L2102136-13 Client ID: B-606 (1-3')						
Solids, Total	80.4	78.7	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 21-38 QC Batch ID: WG1455317-1 QC Sample: L2102136-36 Client ID: SS-122 (0-1')						
Solids, Total	86.7	87.1	%	0		20

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Serial\_No:**01252117:32  
**Lab Number:** L2102136  
**Report Date:** 01/25/21

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

Cooler	Custody Seal
A	Absent
B	Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2102136-01A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-01B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-02A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-02B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-03A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-03B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-04A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-04B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

\*Values in parentheses indicate holding time in days



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Serial\_No:**01252117:32  
**Lab Number:** L2102136  
**Report Date:** 01/25/21

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2102136-05A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-05B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-06A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-06B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102136-07A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-07B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-08A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-08B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102136-09A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-09B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102136-10A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)

\*Values in parentheses indicate holding time in days



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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2102136-10B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-11A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-11B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-12A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-12B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-13A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-13A1	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-13A2	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-13B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-13B1	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

\*Values in parentheses indicate holding time in days



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**Project Number:** 414883

**Serial\_No:**01252117:32  
**Lab Number:** L2102136  
**Report Date:** 01/25/21

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2102136-13B2	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-14A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-14B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-15A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-15B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-16A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-16B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-17A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-17B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-18A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)

\*Values in parentheses indicate holding time in days



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**Project Number:** 414883

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**Report Date:** 01/25/21

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2102136-18B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-19A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-19B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-20A	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-20B	Glass 120ml/4oz unpreserved	B	NA		4.8	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-21A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-21B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-22A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-22B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-23A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)



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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2102136-23B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-24A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-24B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-25A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-25B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-26A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-26B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102136-27A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-27B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102136-28A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)

\*Values in parentheses indicate holding time in days



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**Report Date:** 01/25/21

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2102136-28B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102136-29A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-29B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-30A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-30B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-31A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-31B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-32A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-32B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-33A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)

\*Values in parentheses indicate holding time in days



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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2102136-33B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-34A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-34B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-35A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-35B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-36A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-36A1	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-36A2	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-36B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-36B1	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

\*Values in parentheses indicate holding time in days



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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2102136-36B2	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102136-37A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-37B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102136-38A	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102136-38B	Glass 120ml/4oz unpreserved	A	NA		4.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

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**Lab Number:** L2102136  
**Report Date:** 01/25/21

## GLOSSARY

### Acronyms

DL	- 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

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#### 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

**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.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**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.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- 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).
- 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.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- 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.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



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**Data Qualifiers**

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.

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## REFERENCES

- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 135 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, December 2019, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, March 1, 2020.

## 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

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

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**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.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

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The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** 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 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.

**SM2340B**

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



# CHAIN OF CUSTODY

PAGE 1 OF 3

## Project Information

Project Name: Enbridge King's Cove Park

Project Location: 6 Bridge Street, Weymouth, MA

Project #: 414883

Project Manager: Jim Doherty

ALPHA Quote #:

## Turn-Around Time

Standard  Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Westborough, MA Mansfield, MA  
 TEL: 508-898-9220 TEL: 508-822-9300  
 FAX: 508-898-9193 FAX: 508-822-3288

## Client Information

Client: TRC  
 Address: 650 Suffolk Street  
 Lowell, MA 01854  
 Phone: 978-970-5600

Fax:  
 Email: [jdoherly@trccompanies.com](mailto:jdoherly@trccompanies.com)  
 These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd in Lab: 1/14/21

ALPHA Job #: L2102136

## Report Information Data Deliverables

FAX  EMAIL  
 ADEx  Add'l Deliverables

## Billing Information

Same as Client info PO #: 159499

## Regulatory Requirements/Report Limits

State/Fed Program MCP Criteria S-1

## ANALYSIS

MCP 14 Metals	EPH Targets & Fracs														
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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SAMPLE HANDLING  
 Filtration  
 Done  
 Not Needed  
 Lab to do  
 Preservation  
 Lab to do  
 (Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
02136-01	B-601 (0-1')	01/12/21	1345	Soil	GP
-02	B-601 (1-3')	01/12/21	1350	Soil	GP
-03	B-601 (3-5')	01/12/21	1425	Soil	GP
-04	B-602 (0-1')	01/12/21	1250	Soil	JPS
-05	B-602 (1-3')	01/12/21	1310	Soil	JPS
-06	B-603 (0-1')	01/12/21	1120	Soil	GP
-07	B-603 (1-3')	01/12/21	1150	Soil	GP
-08	B-604 (0-1')	01/12/21	1020	Soil	GP
-09	B-604 (1-3')	01/12/21	1040	Soil	GP
-10	B-605 (0-1')	01/12/21	0910	Soil	GP

Container Type	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By: <i>Janice Stepliker</i> <i>JG</i>	Date/Time 1/14/21 1510 1-14-21 1700	Received By: <i>Illeana MAI</i> <i>Catherina</i>	Date/Time 1/14/21 1700
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Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO. 01-011(H)  
rev. 5-JAN-12



# CHAIN OF CUSTODY

PAGE 2 OF 3

## Project Information

Project Name: Enbridge King's Cove Park

Project Location: Bridge Street, Weymouth, MA

Project #: 414883

Project Manager: Jim Doherty

ALPHA Quote #:

## Turn-Around Time

Standard  Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Westborough, MA Mansfield, MA  
 TEL: 508-898-9220 TEL: 508-822-9300  
 FAX: 508-898-9193 FAX: 508-822-3288

## Client Information

Client: TRC  
 Address: 650 Suffolk Street  
 Lowell, MA 01854

Phone: 978-970-5600

Fax:  
 Email: jdoherty@trccompanies.com

These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd in Lab: 1/14/21

ALPHA Job #: L2102136

## Report Information Data Deliverables Billing Information

FAX  EMAIL  
 ADEx  Add'l Deliverables

Same as Client info PO #: 159499

## Regulatory Requirements/Report Limits

State/Fed Program Criteria  
 MCP S-1

## ANALYSIS

MCP 14 Metals	EPH Targets & Fracs														
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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SAMPLE HANDLING  
 Filtration  
 Done  
 Not Needed  
 Lab to do  
 Preservation  
 Lab to do  
 (Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials															TOTAL # BOTTLES
		Date	Time																	
02036 -11	B-605 (1'-3')	01/12/21	0915	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
-12	B-606 (0-1')	01/13/21	0820	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
-13	B-606 (1-3')	01/13/21	0900	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
-14	UU-9A (0-3')	01/13/21	1005	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
-15	UU-9B (0-3')	01/13/21	1015	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
-16	UU-9B (3-6')	01/13/21	1020	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
-17	UU-8 (0-3')	01/13/21	1315	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
-18	UU-8 (3-4')	01/13/21	1320	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
-19	SS-119 (0-1')	01/13/21	1420	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
-20	SS-118 (0-1')	01/13/21	1425	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Container Type	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
<i>James Stephen</i>	1/14/21 1510	<i>TC</i>	1-14-21 1510
<i>TC</i>	1/14/21 1701	<i>Callahan</i>	1/14/21 1700

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



# CHAIN OF CUSTODY

PAGE 3 OF 4

Westborough, MA    Mansfield, MA  
 TEL: 508-898-9220    TEL: 508-822-9300  
 FAX: 508-898-9193    FAX: 508-822-3288

### Client Information

Client: TRC  
 Address: 650 Suffolk Street  
 Lowell, MA 01854  
 Phone: 978-970-5600  
 Fax: \_\_\_\_\_  
 Email: jdoherly@trccompanies.com  
 These samples have been Previously analyzed by Alpha

### Project Information

Project Name: Enbridge King's Cove Park  
 Project Location: Bridge Street, Weymouth, MA  
 Project #: 414883  
 Project Manager: Jim Doherty  
 ALPHA Quote #:

### Turn-Around Time

Standard     Rush (ONLY IF PRE-APPROVED)  
 Due Date: \_\_\_\_\_ Time: \_\_\_\_\_

Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd in Lab: 1/14/21

ALPHA Job #: L2102136

### Report Information Data Deliverables Billing Information

FAX     EMAIL  
 ADEx     Add'l Deliverables

Same as Client info    PO #: 159499

### Regulatory Requirements/Report Limits

State/Fed Program: MCP    Criteria: S-1

### ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	MCP 14 Metals	EPH Targets & Fracs															SAMPLE HANDLING Filtration <input type="checkbox"/> Done <input type="checkbox"/> Not Needed <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please specify below)	TOTAL # BOTTLES				
		Date	Time																								
02136-21	SS-119 (0-3')	1-14-21	0805	Soil	JD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	2
-22	SS-115 (0-1')		0850	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-23	SS-115 (1-3')		0855	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-24	UU-5 (0-3')		0935	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-25	UU-5 (3-6.5')		0950	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-26	SS-112 (0-1')		0955	Soil	GD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-27	SS-112 (1-3')		1000	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-28	UU-2 (0-3')		1030	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-29	SS-120 (0-1')		1035	Soil	GD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
-30	SS-120 (1-3')		1040	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
02136-21	SS-119 (0-3')	1-14-21	0805	Soil	JD
-22	SS-115 (0-1')		0850	Soil	JPS
-23	SS-115 (1-3')		0855	Soil	JPS
-24	UU-5 (0-3')		0935	Soil	JPS
-25	UU-5 (3-6.5')		0950	Soil	JPS
-26	SS-112 (0-1')		0955	Soil	GD
-27	SS-112 (1-3')		1000	Soil	JPS
-28	UU-2 (0-3')		1030	Soil	JPS
-29	SS-120 (0-1')		1035	Soil	GD
-30	SS-120 (1-3')		1040	Soil	JPS

Container Type: - - - - -  
 Preservative: - - - - -

Relinquished By: <i>Tom Allen</i>	Date/Time: 1/14/21 1510	Received By: <i>Tom Allen</i>	Date/Time: 1/14/21 1700
<i>Tom Allen</i>	1/14/21 1700	<i>Tom Allen</i>	1/14/21 1700

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



# CHAIN OF CUSTODY

PAGE 4 OF 4

8 Walkup Drive  
Westboro, MA 01581  
Tel: 508-898-9220

320 Forbes Blvd  
Mansfield, MA 02048  
Tel: 508-922-9300

Date Rec'd in Lab: 1/14/21 ALPHA Job #: L2102136

Report Information - Data Deliverables:  ADEX  EMAIL

Billing Information:  Same as Client info PO #: 159499

**Client Information**

Client: TRC

Address: 650 S. ALK ST  
Lowell MA

Phone:

Email: jdoherthy@trc.companies.com

Additional Project Information:

**Project Information**

Project Name: Enbridge King Cove Park

Project Location: Bridge St Hwy route

Project #: 414883

Project Manager: Jim Doherty

ALPHA Quote #:

**Turn-Around Time**

Standard  RUSH (only confirmed if pre-approved)

Date Due:

**Regulatory Requirements & Project Information Requirements**

Yes  No MA MCP Analytical Methods  Yes  No CT RCP Analytical Methods

Yes  No Matrix Spike Required on this SDG? (Required for MCP Inorganics)

Yes  No GW1 Standards (Info Required for Metals & EPH with Targets)

Yes  No NPDES RGP

Other State /Fed Program MCP Criteria S-1

ANALYSIS	VOC: <input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	METALS: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	METALS: <input type="checkbox"/> MCP 13 <input checked="" type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	EPH: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRAS <input type="checkbox"/> PPT13	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	SAMPLE INFO
	SVOC: <input type="checkbox"/> 624 <input type="checkbox"/> 524.2							
TOTAL # BOTTLES								

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	ANALYSIS								Sample Comments	
		Date	Time			VOC	SVOC	METALS	METALS	EPH	VPH	PCB	TPH		
0236 -31	UU-7 (0-3')	1/14/21	1115	Soil	JPS	X	X								
-32	SS-121 (0-1')		1335		GP	X	X								
-33	SS-121 (1-2')		1340		GP	X	X								
-34	UU-4 (0-3')		1435		JPS	X	X								
-35	UU-4 (3-7')		1445		JPS	X	X								
-36	SS-122 (0-1')		1445		GP	X	X								
-37	SS-122 (1-3')		1450		GP	X	X								
-38	DUP-10		1345		GP	X	X								

**Container Type**

P= Plastic  
A= Amber glass  
V= Vial  
G= Glass  
B= Bacteria cup  
C= Cube  
O= Other  
E= Encore  
D= BOD Bottle

**Preservative**

A= None  
B= HCl  
C= HNO<sub>3</sub>  
D= H<sub>2</sub>SO<sub>4</sub>  
E= NaOH  
F= MeOH  
G= NaHSO<sub>4</sub>  
H= Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
I= Ascorbic Acid  
J= NH<sub>4</sub>Cl  
K= Zn Acetate  
O= Other

Container Type

Preservative

Relinquished By: Jamie Stapleton Date/Time: 1/14/21 1510

Received By: [Signature] Date/Time: 1-14-21 1700

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)



## ANALYTICAL REPORT

Lab Number:	L2102825
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	James Doherty
Phone:	(978) 656-3680
Project Name:	ENBRIDGE KING'S COVE PARK
Project Number:	414883
Report Date:	01/28/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: ENBRIDGE KING'S COVE PARK

Project Number: 414883

Lab Number: L2102825

Report Date: 01/28/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2102825-01	SS-101 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/15/21 10:00	01/19/21
L2102825-02	SS-101 (1-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/15/21 10:05	01/19/21
L2102825-03	SS-102 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/15/21 10:55	01/19/21
L2102825-04	SS-102 (1-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/15/21 11:00	01/19/21
L2102825-05	SS-103 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/15/21 09:00	01/19/21
L2102825-06	SS-103 (1-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/15/21 09:05	01/19/21
L2102825-07	SS-104 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 08:40	01/19/21
L2102825-08	SS-105 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 09:05	01/19/21
L2102825-09	SS-105 (1-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 09:10	01/19/21
L2102825-10	SS-106 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 09:35	01/19/21
L2102825-11	SS-107 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 08:00	01/19/21
L2102825-12	SS-107 (1-2.5')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 08:15	01/19/21
L2102825-13	SS-108 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/15/21 13:15	01/19/21
L2102825-14	SS-109 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/15/21 13:20	01/19/21
L2102825-15	SS-110 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 10:20	01/19/21
L2102825-16	SS-110 (1-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 10:30	01/19/21
L2102825-17	SS-111 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 10:55	01/19/21
L2102825-18	SS-111 (1-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 11:05	01/19/21
L2102825-19	SS-112 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/14/21 09:55	01/19/21
L2102825-20	SS-112 (1-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/14/21 10:00	01/19/21
L2102825-21	SS-113 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 11:20	01/19/21
L2102825-22	SS-113 (1-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 11:30	01/19/21
L2102825-23	SS-114 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 12:10	01/19/21
L2102825-24	SS-115 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/14/21 08:50	01/19/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2102825-25	SS-115 (1-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/14/21 08:55	01/19/21
L2102825-26	SS-116 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 14:00	01/19/21
L2102825-27	DUP-10	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/14/21 13:45	01/19/21
L2102825-28	SS-117 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/19/21 09:30	01/19/21
L2102825-29	SS-117 (1-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/19/21 10:15	01/19/21
L2102825-30	DUP-11	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 11:31	01/19/21
L2102825-31	SS-118 (1-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/14/21 08:05	01/19/21
L2102825-32	SS-119 (1-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/15/21 00:00	01/19/21
L2102825-33	SS-120 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/14/21 10:35	01/19/21
L2102825-34	SS-120 (1-2')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/14/21 10:40	01/19/21
L2102825-35	SS-121 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/14/21 13:35	01/19/21
L2102825-36	SS-121 (1-2')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/14/21 13:40	01/19/21
L2102825-37	SS-122 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/14/21 14:45	01/19/21
L2102825-38	SS-122 (1-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/14/21 14:50	01/19/21
L2102825-39	SS-123 (0-1')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/18/21 14:35	01/19/21
L2102825-40	UU-1 (0-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/15/21 09:25	01/19/21
L2102825-41	UU-3 (0-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/15/21 13:05	01/19/21
L2102825-42	UU-3 (3-7')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/15/21 13:15	01/19/21
L2102825-43	UU-6 (0-3')	SOIL	BRIDGE STREET, WEYMOUTH, MA	01/15/21 08:45	01/19/21



Project Name: ENBRIDGE KING'S COVE PARK

Lab Number: L2102825

Project Number: 414883

Report Date: 01/28/21

**MADEP MCP Response Action Analytical Report Certification**

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

<b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b>		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	YES
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES
<b>A response to questions G, H and I is required for "Presumptive Certainty" status</b>		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES
<b>For any questions answered "No", please refer to the case narrative section on the following page(s).</b>		

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



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

### 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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

**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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

---

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

### Case Narrative (continued)

#### MCP Related Narratives

##### Sample Receipt

L2102825-12: The sample identified as "SS-107 (1-2.5)" on the chain of custody was identified as "SS-107 (1-3)" on the container label. At the client's request, the sample is reported as "SS-107 (1-2.5)".

L2102825-19: A sample identified as "SS-112 (0-1)" was listed on the Chain of Custody, but not received. This was verified by the client.

L2102825-20: A sample identified as "SS-112 (1-3)" was listed on the Chain of Custody, but not received. This was verified by the client.

L2102825-24: A sample identified as "SS-115 (0-1)" was listed on the Chain of Custody, but not received. This was verified by the client.

L2102825-25: A sample identified as "SS-115 (1-3)" was listed on the Chain of Custody, but not received. This was verified by the client.

L2102825-27: A sample identified as "DUP-10" was listed on the Chain of Custody, but not received. This was verified by the client.

L2102825-28: The collection date and time on the chain of custody was 19-JAN-21 09:30; however, the collection date/time on the container label was 18-JAN-21 09:30. At the client's request, the collection date/time is reported as 19-JAN-21 09:30.

L2102825-29: The collection date and time on the chain of custody was 19-JAN-21 10:30; however, the collection date/time on the container label was 18-JAN-21 10:15. At the client's request, the collection date/time is reported as 19-JAN-21 10:15.

L2102825-31: A sample identified as "SS-118 (1-3)" was listed on the Chain of Custody, but not received. This was verified by the client.

L2102825-32: A sample identified as "SS-119 (1-3)" was listed on the Chain of Custody, but not received. This was verified by the client.

L2102825-33: A sample identified as "SS-120 (0-1)" was listed on the Chain of Custody, but not received. This was verified by the client.

L2102825-34: A sample identified as "SS-120 (1-2)" was listed on the Chain of Custody, but not received.

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

### Case Narrative (continued)

This was verified by the client.

L2102825-35: A sample identified as "SS-121 (0-1)" was listed on the Chain of Custody, but not received.

This was verified by the client.

L2102825-36: A sample identified as "SS-121 (1-2)" was listed on the Chain of Custody, but not received.

This was verified by the client.

L2102825-37: A sample identified as "SS-122 (0-1)" was listed on the Chain of Custody, but not received.

This was verified by the client.

L2102825-38: A sample identified as "SS-122 (1-3)" was listed on the Chain of Custody, but not received.

This was verified by the client.

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

#### Total Metals

L2102825-16 and -22: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

In reference to question G:

L2102825-16 and -22: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The WG1456999-4 MS recovery, performed on L2102825-11, is outside the acceptance criteria for antimony (63%). Re-analysis of the MS yielded unacceptable recoveries for antimony in the range of 30-74% or >125%.

The LCS recovery is acceptable; therefore, no further action was taken.

The WG1456999-4/-5 MS/MSD recoveries, performed on L2102825-11, are outside the acceptance criteria for lead (0% / 0%). Re-analysis of the MS yielded an unacceptable recovery of <30%, but the sample detection is above the RL. The LCS recovery is acceptable; therefore, no further action was taken.

The WG1456999-5 MSD recoveries, performed on L2102825-11, are outside the acceptance criteria for antimony (67%) and chromium (62%). Re-analysis of the MSD yielded unacceptable recoveries for antimony and chromium in the range of 30-74% or >125%. The LCS recoveries are acceptable; therefore, no further

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

### Case Narrative (continued)

action was taken.

Total Mercury

In reference to question H:

The WG1459647-4/-5 MS/MSD recoveries, performed on L2102825-11, are outside the acceptance criteria for mercury (129% / 136%). Re-analysis of the MS yielded unacceptable recoveries for mercury in the range of 30-74% or >125%. The LCS recovery is acceptable; therefore, no further action was taken.

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:

 Caitlin Walukevich

Title: Technical Director/Representative

Date: 01/28/21

## QC OUTLIER SUMMARY REPORT

**Project Name:** ENBRIDGE KING'S COVE PARK

**Lab Number:** L2102825

**Project Number:** 414883

**Report Date:** 01/28/21

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
MCP Total Metals - Mansfield Lab								
6010D	Batch QC (L2102825-11)	WG1456999-4	Antimony, Total	MS	63	75-125	01-18,21-22	potential low bias
6010D	Batch QC (L2102825-11)	WG1456999-4	Lead, Total	MS	0	75-125	01-18,21-22	potential low bias
6010D	Batch QC (L2102825-11)	WG1456999-5	Antimony, Total	MSD	67	75-125	01-18,21-22	potential low bias
6010D	Batch QC (L2102825-11)	WG1456999-5	Chromium, Total	MSD	62	75-125	01-18,21-22	potential low bias
6010D	Batch QC (L2102825-11)	WG1456999-5	Lead, Total	MSD	0	75-125	01-18,21-22	potential low bias
7471B	Batch QC (L2102825-11)	WG1459647-4	Mercury, Total	MS	129	75-125	11	potential high bias
7471B	Batch QC (L2102825-11)	WG1459647-5	Mercury, Total	MSD	136	75-125	11	potential high bias

# ORGANICS

# **PETROLEUM HYDROCARBONS**



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-01  
 Client ID: SS-101 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/15/21 10:00  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 05:05  
 Analyst: MEO  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.63	--	1
C19-C36 Aliphatics	9.86		mg/kg	7.63	--	1
C11-C22 Aromatics	30.2		mg/kg	7.63	--	1
C11-C22 Aromatics, Adjusted	23.7		mg/kg	7.63	--	1
Naphthalene	ND		mg/kg	0.382	--	1
2-Methylnaphthalene	ND		mg/kg	0.382	--	1
Acenaphthylene	ND		mg/kg	0.382	--	1
Acenaphthene	ND		mg/kg	0.382	--	1
Fluorene	ND		mg/kg	0.382	--	1
Phenanthrene	0.534		mg/kg	0.382	--	1
Anthracene	ND		mg/kg	0.382	--	1
Fluoranthene	1.03		mg/kg	0.382	--	1
Pyrene	1.07		mg/kg	0.382	--	1
Benzo(a)anthracene	0.604		mg/kg	0.382	--	1
Chrysene	0.703		mg/kg	0.382	--	1
Benzo(b)fluoranthene	0.822		mg/kg	0.382	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.382	--	1
Benzo(a)pyrene	0.864		mg/kg	0.382	--	1
Indeno(1,2,3-cd)Pyrene	0.414		mg/kg	0.382	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.382	--	1
Benzo(ghi)perylene	0.449		mg/kg	0.382	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-01

Date Collected: 01/15/21 10:00

Client ID: SS-101 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	73		40-140
o-Terphenyl	66		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	74		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-02  
 Client ID: SS-101 (1-3')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/15/21 10:05  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 05:39  
 Analyst: MEO  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.25	--	1
C19-C36 Aliphatics	8.78		mg/kg	7.25	--	1
C11-C22 Aromatics	36.7		mg/kg	7.25	--	1
C11-C22 Aromatics, Adjusted	28.5		mg/kg	7.25	--	1
Naphthalene	ND		mg/kg	0.363	--	1
2-Methylnaphthalene	ND		mg/kg	0.363	--	1
Acenaphthylene	ND		mg/kg	0.363	--	1
Acenaphthene	ND		mg/kg	0.363	--	1
Fluorene	ND		mg/kg	0.363	--	1
Phenanthrene	0.506		mg/kg	0.363	--	1
Anthracene	ND		mg/kg	0.363	--	1
Fluoranthene	1.18		mg/kg	0.363	--	1
Pyrene	1.29		mg/kg	0.363	--	1
Benzo(a)anthracene	0.776		mg/kg	0.363	--	1
Chrysene	0.870		mg/kg	0.363	--	1
Benzo(b)fluoranthene	1.08		mg/kg	0.363	--	1
Benzo(k)fluoranthene	0.424		mg/kg	0.363	--	1
Benzo(a)pyrene	0.924		mg/kg	0.363	--	1
Indeno(1,2,3-cd)Pyrene	0.588		mg/kg	0.363	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.363	--	1
Benzo(ghi)perylene	0.555		mg/kg	0.363	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-02

Date Collected: 01/15/21 10:05

Client ID: SS-101 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	66		40-140
o-Terphenyl	64		40-140
2-Fluorobiphenyl	76		40-140
2-Bromonaphthalene	77		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-03  
 Client ID: SS-102 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/15/21 10:55  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 06:14  
 Analyst: MEO  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.44	--	1
C19-C36 Aliphatics	11.1		mg/kg	7.44	--	1
C11-C22 Aromatics	23.1		mg/kg	7.44	--	1
C11-C22 Aromatics, Adjusted	21.0		mg/kg	7.44	--	1
Naphthalene	ND		mg/kg	0.372	--	1
2-Methylnaphthalene	ND		mg/kg	0.372	--	1
Acenaphthylene	ND		mg/kg	0.372	--	1
Acenaphthene	ND		mg/kg	0.372	--	1
Fluorene	ND		mg/kg	0.372	--	1
Phenanthrene	ND		mg/kg	0.372	--	1
Anthracene	ND		mg/kg	0.372	--	1
Fluoranthene	0.584		mg/kg	0.372	--	1
Pyrene	0.588		mg/kg	0.372	--	1
Benzo(a)anthracene	ND		mg/kg	0.372	--	1
Chrysene	ND		mg/kg	0.372	--	1
Benzo(b)fluoranthene	0.404		mg/kg	0.372	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.372	--	1
Benzo(a)pyrene	0.537		mg/kg	0.372	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.372	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.372	--	1
Benzo(ghi)perylene	ND		mg/kg	0.372	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-03

Date Collected: 01/15/21 10:55

Client ID: SS-102 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

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

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-04  
 Client ID: SS-102 (1-3')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/15/21 11:00  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 06:48  
 Analyst: MEO  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.40	--	1
C19-C36 Aliphatics	35.5		mg/kg	7.40	--	1
C11-C22 Aromatics	56.0		mg/kg	7.40	--	1
C11-C22 Aromatics, Adjusted	47.9		mg/kg	7.40	--	1
Naphthalene	ND		mg/kg	0.370	--	1
2-Methylnaphthalene	ND		mg/kg	0.370	--	1
Acenaphthylene	ND		mg/kg	0.370	--	1
Acenaphthene	ND		mg/kg	0.370	--	1
Fluorene	ND		mg/kg	0.370	--	1
Phenanthrene	0.614		mg/kg	0.370	--	1
Anthracene	ND		mg/kg	0.370	--	1
Fluoranthene	1.13		mg/kg	0.370	--	1
Pyrene	1.11		mg/kg	0.370	--	1
Benzo(a)anthracene	0.720		mg/kg	0.370	--	1
Chrysene	0.712		mg/kg	0.370	--	1
Benzo(b)fluoranthene	0.788		mg/kg	0.370	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.370	--	1
Benzo(a)pyrene	2.12		mg/kg	0.370	--	1
Indeno(1,2,3-cd)Pyrene	0.431		mg/kg	0.370	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.370	--	1
Benzo(ghi)perylene	0.455		mg/kg	0.370	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-04

Date Collected: 01/15/21 11:00

Client ID: SS-102 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		40-140
o-Terphenyl	69		40-140
2-Fluorobiphenyl	79		40-140
2-Bromonaphthalene	80		40-140



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-05  
 Client ID: SS-103 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/15/21 09:00  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 07:23  
 Analyst: MEO  
 Percent Solids: 83%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	7.69		mg/kg	7.58	--	1
C19-C36 Aliphatics	13.7		mg/kg	7.58	--	1
C11-C22 Aromatics	35.2		mg/kg	7.58	--	1
C11-C22 Aromatics, Adjusted	32.9		mg/kg	7.58	--	1
Naphthalene	ND		mg/kg	0.379	--	1
2-Methylnaphthalene	ND		mg/kg	0.379	--	1
Acenaphthylene	ND		mg/kg	0.379	--	1
Acenaphthene	ND		mg/kg	0.379	--	1
Fluorene	ND		mg/kg	0.379	--	1
Phenanthrene	0.440		mg/kg	0.379	--	1
Anthracene	ND		mg/kg	0.379	--	1
Fluoranthene	0.463		mg/kg	0.379	--	1
Pyrene	0.493		mg/kg	0.379	--	1
Benzo(a)anthracene	ND		mg/kg	0.379	--	1
Chrysene	0.393		mg/kg	0.379	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.379	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.379	--	1
Benzo(a)pyrene	0.521		mg/kg	0.379	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.379	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.379	--	1
Benzo(ghi)perylene	ND		mg/kg	0.379	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-05

Date Collected: 01/15/21 09:00

Client ID: SS-103 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	71		40-140
o-Terphenyl	69		40-140
2-Fluorobiphenyl	81		40-140
2-Bromonaphthalene	81		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-06  
 Client ID: SS-103 (1-3')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/15/21 09:05  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 07:57  
 Analyst: MEO  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.42	--	1
C19-C36 Aliphatics	22.8		mg/kg	7.42	--	1
C11-C22 Aromatics	35.3		mg/kg	7.42	--	1
C11-C22 Aromatics, Adjusted	35.3		mg/kg	7.42	--	1
Naphthalene	ND		mg/kg	0.371	--	1
2-Methylnaphthalene	ND		mg/kg	0.371	--	1
Acenaphthylene	ND		mg/kg	0.371	--	1
Acenaphthene	ND		mg/kg	0.371	--	1
Fluorene	ND		mg/kg	0.371	--	1
Phenanthrene	ND		mg/kg	0.371	--	1
Anthracene	ND		mg/kg	0.371	--	1
Fluoranthene	ND		mg/kg	0.371	--	1
Pyrene	ND		mg/kg	0.371	--	1
Benzo(a)anthracene	ND		mg/kg	0.371	--	1
Chrysene	ND		mg/kg	0.371	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.371	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.371	--	1
Benzo(a)pyrene	ND		mg/kg	0.371	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.371	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.371	--	1
Benzo(ghi)perylene	ND		mg/kg	0.371	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-06

Date Collected: 01/15/21 09:05

Client ID: SS-103 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	71		40-140
o-Terphenyl	71		40-140
2-Fluorobiphenyl	80		40-140
2-Bromonaphthalene	80		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-07  
 Client ID: SS-104 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 08:40  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 08:32  
 Analyst: MEO  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.64	--	1
C19-C36 Aliphatics	ND		mg/kg	7.64	--	1
C11-C22 Aromatics	75.1		mg/kg	7.64	--	1
C11-C22 Aromatics, Adjusted	41.1		mg/kg	7.64	--	1
Naphthalene	ND		mg/kg	0.382	--	1
2-Methylnaphthalene	ND		mg/kg	0.382	--	1
Acenaphthylene	ND		mg/kg	0.382	--	1
Acenaphthene	ND		mg/kg	0.382	--	1
Fluorene	0.467		mg/kg	0.382	--	1
Phenanthrene	4.61		mg/kg	0.382	--	1
Anthracene	1.00		mg/kg	0.382	--	1
Fluoranthene	6.78		mg/kg	0.382	--	1
Pyrene	6.10		mg/kg	0.382	--	1
Benzo(a)anthracene	2.62		mg/kg	0.382	--	1
Chrysene	2.46		mg/kg	0.382	--	1
Benzo(b)fluoranthene	2.85		mg/kg	0.382	--	1
Benzo(k)fluoranthene	1.15		mg/kg	0.382	--	1
Benzo(a)pyrene	2.46		mg/kg	0.382	--	1
Indeno(1,2,3-cd)Pyrene	1.55		mg/kg	0.382	--	1
Dibenzo(a,h)anthracene	0.411		mg/kg	0.382	--	1
Benzo(ghi)perylene	1.57		mg/kg	0.382	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-07

Date Collected: 01/18/21 08:40

Client ID: SS-104 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	80		40-140
o-Terphenyl	67		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	74		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-08  
 Client ID: SS-105 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 09:05  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 09:06  
 Analyst: MEO  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.56	--	1
C19-C36 Aliphatics	ND		mg/kg	7.56	--	1
C11-C22 Aromatics	8.44		mg/kg	7.56	--	1
C11-C22 Aromatics, Adjusted	8.44		mg/kg	7.56	--	1
Naphthalene	ND		mg/kg	0.378	--	1
2-Methylnaphthalene	ND		mg/kg	0.378	--	1
Acenaphthylene	ND		mg/kg	0.378	--	1
Acenaphthene	ND		mg/kg	0.378	--	1
Fluorene	ND		mg/kg	0.378	--	1
Phenanthrene	ND		mg/kg	0.378	--	1
Anthracene	ND		mg/kg	0.378	--	1
Fluoranthene	ND		mg/kg	0.378	--	1
Pyrene	ND		mg/kg	0.378	--	1
Benzo(a)anthracene	ND		mg/kg	0.378	--	1
Chrysene	ND		mg/kg	0.378	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.378	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.378	--	1
Benzo(a)pyrene	ND		mg/kg	0.378	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.378	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.378	--	1
Benzo(ghi)perylene	ND		mg/kg	0.378	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-08

Date Collected: 01/18/21 09:05

Client ID: SS-105 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	70		40-140
o-Terphenyl	70		40-140
2-Fluorobiphenyl	83		40-140
2-Bromonaphthalene	84		40-140



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-09  
 Client ID: SS-105 (1-3')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 09:10  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 09:41  
 Analyst: MEO  
 Percent Solids: 83%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.89	--	1
C19-C36 Aliphatics	ND		mg/kg	7.89	--	1
C11-C22 Aromatics	ND		mg/kg	7.89	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.89	--	1
Naphthalene	ND		mg/kg	0.394	--	1
2-Methylnaphthalene	ND		mg/kg	0.394	--	1
Acenaphthylene	ND		mg/kg	0.394	--	1
Acenaphthene	ND		mg/kg	0.394	--	1
Fluorene	ND		mg/kg	0.394	--	1
Phenanthrene	ND		mg/kg	0.394	--	1
Anthracene	ND		mg/kg	0.394	--	1
Fluoranthene	ND		mg/kg	0.394	--	1
Pyrene	ND		mg/kg	0.394	--	1
Benzo(a)anthracene	ND		mg/kg	0.394	--	1
Chrysene	ND		mg/kg	0.394	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.394	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.394	--	1
Benzo(a)pyrene	ND		mg/kg	0.394	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.394	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.394	--	1
Benzo(ghi)perylene	ND		mg/kg	0.394	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-09

Date Collected: 01/18/21 09:10

Client ID: SS-105 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	71		40-140
o-Terphenyl	64		40-140
2-Fluorobiphenyl	74		40-140
2-Bromonaphthalene	74		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-10  
 Client ID: SS-106 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 09:35  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 10:16  
 Analyst: MEO  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.45	--	1
C19-C36 Aliphatics	ND		mg/kg	7.45	--	1
C11-C22 Aromatics	9.38		mg/kg	7.45	--	1
C11-C22 Aromatics, Adjusted	9.38		mg/kg	7.45	--	1
Naphthalene	ND		mg/kg	0.372	--	1
2-Methylnaphthalene	ND		mg/kg	0.372	--	1
Acenaphthylene	ND		mg/kg	0.372	--	1
Acenaphthene	ND		mg/kg	0.372	--	1
Fluorene	ND		mg/kg	0.372	--	1
Phenanthrene	ND		mg/kg	0.372	--	1
Anthracene	ND		mg/kg	0.372	--	1
Fluoranthene	ND		mg/kg	0.372	--	1
Pyrene	ND		mg/kg	0.372	--	1
Benzo(a)anthracene	ND		mg/kg	0.372	--	1
Chrysene	ND		mg/kg	0.372	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.372	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.372	--	1
Benzo(a)pyrene	ND		mg/kg	0.372	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.372	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.372	--	1
Benzo(ghi)perylene	ND		mg/kg	0.372	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-10

Date Collected: 01/18/21 09:35

Client ID: SS-106 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	73		40-140
o-Terphenyl	70		40-140
2-Fluorobiphenyl	79		40-140
2-Bromonaphthalene	78		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-11  
 Client ID: SS-107 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 08:00  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 07:16  
 Analyst: MEO  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 08:39  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.20	--	1
C19-C36 Aliphatics	ND		mg/kg	7.20	--	1
C11-C22 Aromatics	26.0		mg/kg	7.20	--	1
C11-C22 Aromatics, Adjusted	21.2		mg/kg	7.20	--	1
Naphthalene	ND		mg/kg	0.360	--	1
2-Methylnaphthalene	ND		mg/kg	0.360	--	1
Acenaphthylene	ND		mg/kg	0.360	--	1
Acenaphthene	ND		mg/kg	0.360	--	1
Fluorene	ND		mg/kg	0.360	--	1
Phenanthrene	0.395		mg/kg	0.360	--	1
Anthracene	ND		mg/kg	0.360	--	1
Fluoranthene	1.07		mg/kg	0.360	--	1
Pyrene	1.05		mg/kg	0.360	--	1
Benzo(a)anthracene	0.592		mg/kg	0.360	--	1
Chrysene	0.591		mg/kg	0.360	--	1
Benzo(b)fluoranthene	0.577		mg/kg	0.360	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.360	--	1
Benzo(a)pyrene	0.588		mg/kg	0.360	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.360	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.360	--	1
Benzo(ghi)perylene	ND		mg/kg	0.360	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-11

Date Collected: 01/18/21 08:00

Client ID: SS-107 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	52		40-140
o-Terphenyl	56		40-140
2-Fluorobiphenyl	66		40-140
2-Bromonaphthalene	67		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-12  
 Client ID: SS-107 (1-2.5')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 08:15  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 10:50  
 Analyst: MEO  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.34	--	1
C19-C36 Aliphatics	21.5		mg/kg	7.34	--	1
C11-C22 Aromatics	40.2		mg/kg	7.34	--	1
C11-C22 Aromatics, Adjusted	30.8		mg/kg	7.34	--	1
Naphthalene	ND		mg/kg	0.367	--	1
2-Methylnaphthalene	ND		mg/kg	0.367	--	1
Acenaphthylene	ND		mg/kg	0.367	--	1
Acenaphthene	ND		mg/kg	0.367	--	1
Fluorene	ND		mg/kg	0.367	--	1
Phenanthrene	0.791		mg/kg	0.367	--	1
Anthracene	ND		mg/kg	0.367	--	1
Fluoranthene	1.62		mg/kg	0.367	--	1
Pyrene	1.64		mg/kg	0.367	--	1
Benzo(a)anthracene	0.898		mg/kg	0.367	--	1
Chrysene	0.928		mg/kg	0.367	--	1
Benzo(b)fluoranthene	1.04		mg/kg	0.367	--	1
Benzo(k)fluoranthene	0.412		mg/kg	0.367	--	1
Benzo(a)pyrene	0.894		mg/kg	0.367	--	1
Indeno(1,2,3-cd)Pyrene	0.554		mg/kg	0.367	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.367	--	1
Benzo(ghi)perylene	0.579		mg/kg	0.367	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-12

Date Collected: 01/18/21 08:15

Client ID: SS-107 (1-2.5')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	71		40-140
o-Terphenyl	70		40-140
2-Fluorobiphenyl	79		40-140
2-Bromonaphthalene	80		40-140



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-13  
 Client ID: SS-108 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/15/21 13:15  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 11:25  
 Analyst: MEO  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	8.31	--	1
C19-C36 Aliphatics	10.4		mg/kg	8.31	--	1
C11-C22 Aromatics	22.1		mg/kg	8.31	--	1
C11-C22 Aromatics, Adjusted	21.2		mg/kg	8.31	--	1
Naphthalene	ND		mg/kg	0.416	--	1
2-Methylnaphthalene	ND		mg/kg	0.416	--	1
Acenaphthylene	ND		mg/kg	0.416	--	1
Acenaphthene	ND		mg/kg	0.416	--	1
Fluorene	ND		mg/kg	0.416	--	1
Phenanthrene	ND		mg/kg	0.416	--	1
Anthracene	ND		mg/kg	0.416	--	1
Fluoranthene	ND		mg/kg	0.416	--	1
Pyrene	ND		mg/kg	0.416	--	1
Benzo(a)anthracene	ND		mg/kg	0.416	--	1
Chrysene	ND		mg/kg	0.416	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.416	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.416	--	1
Benzo(a)pyrene	0.888		mg/kg	0.416	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.416	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.416	--	1
Benzo(ghi)perylene	ND		mg/kg	0.416	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-13

Date Collected: 01/15/21 13:15

Client ID: SS-108 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	67		40-140
o-Terphenyl	65		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	75		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-14  
 Client ID: SS-109 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/15/21 13:20  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 11:59  
 Analyst: MEO  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.38	--	1
C19-C36 Aliphatics	ND		mg/kg	7.38	--	1
C11-C22 Aromatics	11.2		mg/kg	7.38	--	1
C11-C22 Aromatics, Adjusted	11.2		mg/kg	7.38	--	1
Naphthalene	ND		mg/kg	0.369	--	1
2-Methylnaphthalene	ND		mg/kg	0.369	--	1
Acenaphthylene	ND		mg/kg	0.369	--	1
Acenaphthene	ND		mg/kg	0.369	--	1
Fluorene	ND		mg/kg	0.369	--	1
Phenanthrene	ND		mg/kg	0.369	--	1
Anthracene	ND		mg/kg	0.369	--	1
Fluoranthene	ND		mg/kg	0.369	--	1
Pyrene	ND		mg/kg	0.369	--	1
Benzo(a)anthracene	ND		mg/kg	0.369	--	1
Chrysene	ND		mg/kg	0.369	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.369	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.369	--	1
Benzo(a)pyrene	ND		mg/kg	0.369	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.369	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.369	--	1
Benzo(ghi)perylene	ND		mg/kg	0.369	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-14

Date Collected: 01/15/21 13:20

Client ID: SS-109 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	77		40-140
o-Terphenyl	84		40-140
2-Fluorobiphenyl	92		40-140
2-Bromonaphthalene	94		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-15  
 Client ID: SS-110 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 10:20  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 07:52  
 Analyst: MEO  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 08:39  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.34	--	1
C19-C36 Aliphatics	ND		mg/kg	7.34	--	1
C11-C22 Aromatics	8.68		mg/kg	7.34	--	1
C11-C22 Aromatics, Adjusted	8.68		mg/kg	7.34	--	1
Naphthalene	ND		mg/kg	0.367	--	1
2-Methylnaphthalene	ND		mg/kg	0.367	--	1
Acenaphthylene	ND		mg/kg	0.367	--	1
Acenaphthene	ND		mg/kg	0.367	--	1
Fluorene	ND		mg/kg	0.367	--	1
Phenanthrene	ND		mg/kg	0.367	--	1
Anthracene	ND		mg/kg	0.367	--	1
Fluoranthene	ND		mg/kg	0.367	--	1
Pyrene	ND		mg/kg	0.367	--	1
Benzo(a)anthracene	ND		mg/kg	0.367	--	1
Chrysene	ND		mg/kg	0.367	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.367	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.367	--	1
Benzo(a)pyrene	ND		mg/kg	0.367	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.367	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.367	--	1
Benzo(ghi)perylene	ND		mg/kg	0.367	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-15

Date Collected: 01/18/21 10:20

Client ID: SS-110 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	68		40-140
o-Terphenyl	68		40-140
2-Fluorobiphenyl	74		40-140
2-Bromonaphthalene	76		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-16  
 Client ID: SS-110 (1-3')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 10:30  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 13:56  
 Analyst: MEO  
 Percent Solids: 81%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.89	--	1
C19-C36 Aliphatics	ND		mg/kg	7.89	--	1
C11-C22 Aromatics	16.5		mg/kg	7.89	--	1
C11-C22 Aromatics, Adjusted	16.5		mg/kg	7.89	--	1
Naphthalene	ND		mg/kg	0.394	--	1
2-Methylnaphthalene	ND		mg/kg	0.394	--	1
Acenaphthylene	ND		mg/kg	0.394	--	1
Acenaphthene	ND		mg/kg	0.394	--	1
Fluorene	ND		mg/kg	0.394	--	1
Phenanthrene	ND		mg/kg	0.394	--	1
Anthracene	ND		mg/kg	0.394	--	1
Fluoranthene	ND		mg/kg	0.394	--	1
Pyrene	ND		mg/kg	0.394	--	1
Benzo(a)anthracene	ND		mg/kg	0.394	--	1
Chrysene	ND		mg/kg	0.394	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.394	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.394	--	1
Benzo(a)pyrene	ND		mg/kg	0.394	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.394	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.394	--	1
Benzo(ghi)perylene	ND		mg/kg	0.394	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-16

Date Collected: 01/18/21 10:30

Client ID: SS-110 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	72		40-140
o-Terphenyl	65		40-140
2-Fluorobiphenyl	80		40-140
2-Bromonaphthalene	80		40-140



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-17  
 Client ID: SS-111 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 10:55  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 08:27  
 Analyst: MEO  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 08:39  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.79	--	1
C19-C36 Aliphatics	7.90		mg/kg	7.79	--	1
C11-C22 Aromatics	11.6		mg/kg	7.79	--	1
C11-C22 Aromatics, Adjusted	11.6		mg/kg	7.79	--	1
Naphthalene	ND		mg/kg	0.389	--	1
2-Methylnaphthalene	ND		mg/kg	0.389	--	1
Acenaphthylene	ND		mg/kg	0.389	--	1
Acenaphthene	ND		mg/kg	0.389	--	1
Fluorene	ND		mg/kg	0.389	--	1
Phenanthrene	ND		mg/kg	0.389	--	1
Anthracene	ND		mg/kg	0.389	--	1
Fluoranthene	ND		mg/kg	0.389	--	1
Pyrene	ND		mg/kg	0.389	--	1
Benzo(a)anthracene	ND		mg/kg	0.389	--	1
Chrysene	ND		mg/kg	0.389	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.389	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.389	--	1
Benzo(a)pyrene	ND		mg/kg	0.389	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.389	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.389	--	1
Benzo(ghi)perylene	ND		mg/kg	0.389	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-17

Date Collected: 01/18/21 10:55

Client ID: SS-111 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	72		40-140
o-Terphenyl	72		40-140
2-Fluorobiphenyl	83		40-140
2-Bromonaphthalene	84		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-18  
 Client ID: SS-111 (1-3')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 11:05  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 14:31  
 Analyst: MEO  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	8.10	--	1
C19-C36 Aliphatics	ND		mg/kg	8.10	--	1
C11-C22 Aromatics	33.7		mg/kg	8.10	--	1
C11-C22 Aromatics, Adjusted	23.3		mg/kg	8.10	--	1
Naphthalene	ND		mg/kg	0.405	--	1
2-Methylnaphthalene	ND		mg/kg	0.405	--	1
Acenaphthylene	ND		mg/kg	0.405	--	1
Acenaphthene	ND		mg/kg	0.405	--	1
Fluorene	ND		mg/kg	0.405	--	1
Phenanthrene	1.35		mg/kg	0.405	--	1
Anthracene	ND		mg/kg	0.405	--	1
Fluoranthene	2.19		mg/kg	0.405	--	1
Pyrene	2.04		mg/kg	0.405	--	1
Benzo(a)anthracene	1.15		mg/kg	0.405	--	1
Chrysene	1.02		mg/kg	0.405	--	1
Benzo(b)fluoranthene	0.984		mg/kg	0.405	--	1
Benzo(k)fluoranthene	0.431		mg/kg	0.405	--	1
Benzo(a)pyrene	0.863		mg/kg	0.405	--	1
Indeno(1,2,3-cd)Pyrene	0.413		mg/kg	0.405	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.405	--	1
Benzo(ghi)perylene	ND		mg/kg	0.405	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-18

Date Collected: 01/18/21 11:05

Client ID: SS-111 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	72		40-140
o-Terphenyl	70		40-140
2-Fluorobiphenyl	82		40-140
2-Bromonaphthalene	82		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-21  
 Client ID: SS-113 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 11:20  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 09:03  
 Analyst: MEO  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 08:39  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.60	--	1
C19-C36 Aliphatics	8.52		mg/kg	7.60	--	1
C11-C22 Aromatics	12.8		mg/kg	7.60	--	1
C11-C22 Aromatics, Adjusted	12.4		mg/kg	7.60	--	1
Naphthalene	ND		mg/kg	0.380	--	1
2-Methylnaphthalene	ND		mg/kg	0.380	--	1
Acenaphthylene	ND		mg/kg	0.380	--	1
Acenaphthene	ND		mg/kg	0.380	--	1
Fluorene	ND		mg/kg	0.380	--	1
Phenanthrene	ND		mg/kg	0.380	--	1
Anthracene	ND		mg/kg	0.380	--	1
Fluoranthene	ND		mg/kg	0.380	--	1
Pyrene	ND		mg/kg	0.380	--	1
Benzo(a)anthracene	ND		mg/kg	0.380	--	1
Chrysene	ND		mg/kg	0.380	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.380	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.380	--	1
Benzo(a)pyrene	0.383		mg/kg	0.380	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.380	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.380	--	1
Benzo(ghi)perylene	ND		mg/kg	0.380	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-21

Date Collected: 01/18/21 11:20

Client ID: SS-113 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	65		40-140
o-Terphenyl	62		40-140
2-Fluorobiphenyl	72		40-140
2-Bromonaphthalene	77		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-22  
 Client ID: SS-113 (1-3')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 11:30  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 15:48  
 Analyst: MEO  
 Percent Solids: 76%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	8.38	--	1
C19-C36 Aliphatics	ND		mg/kg	8.38	--	1
C11-C22 Aromatics	22.7		mg/kg	8.38	--	1
C11-C22 Aromatics, Adjusted	21.3		mg/kg	8.38	--	1
Naphthalene	ND		mg/kg	0.419	--	1
2-Methylnaphthalene	ND		mg/kg	0.419	--	1
Acenaphthylene	ND		mg/kg	0.419	--	1
Acenaphthene	ND		mg/kg	0.419	--	1
Fluorene	ND		mg/kg	0.419	--	1
Phenanthrene	0.497		mg/kg	0.419	--	1
Anthracene	ND		mg/kg	0.419	--	1
Fluoranthene	0.436		mg/kg	0.419	--	1
Pyrene	0.524		mg/kg	0.419	--	1
Benzo(a)anthracene	ND		mg/kg	0.419	--	1
Chrysene	ND		mg/kg	0.419	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.419	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.419	--	1
Benzo(a)pyrene	ND		mg/kg	0.419	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.419	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.419	--	1
Benzo(ghi)perylene	ND		mg/kg	0.419	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-22

Date Collected: 01/18/21 11:30

Client ID: SS-113 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	65		40-140
o-Terphenyl	66		40-140
2-Fluorobiphenyl	83		40-140
2-Bromonaphthalene	85		40-140



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-23  
 Client ID: SS-114 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 12:10  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 23:05  
 Analyst: SR  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.81	--	1
C19-C36 Aliphatics	ND		mg/kg	7.81	--	1
C11-C22 Aromatics	8.48		mg/kg	7.81	--	1
C11-C22 Aromatics, Adjusted	8.48		mg/kg	7.81	--	1
Naphthalene	ND		mg/kg	0.390	--	1
2-Methylnaphthalene	ND		mg/kg	0.390	--	1
Acenaphthylene	ND		mg/kg	0.390	--	1
Acenaphthene	ND		mg/kg	0.390	--	1
Fluorene	ND		mg/kg	0.390	--	1
Phenanthrene	ND		mg/kg	0.390	--	1
Anthracene	ND		mg/kg	0.390	--	1
Fluoranthene	ND		mg/kg	0.390	--	1
Pyrene	ND		mg/kg	0.390	--	1
Benzo(a)anthracene	ND		mg/kg	0.390	--	1
Chrysene	ND		mg/kg	0.390	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.390	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.390	--	1
Benzo(a)pyrene	ND		mg/kg	0.390	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.390	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.390	--	1
Benzo(ghi)perylene	ND		mg/kg	0.390	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-23

Date Collected: 01/18/21 12:10

Client ID: SS-114 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	77		40-140
o-Terphenyl	73		40-140
2-Fluorobiphenyl	85		40-140
2-Bromonaphthalene	87		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-26  
 Client ID: SS-116 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 14:00  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 18:07  
 Analyst: SR  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.50	--	1
C19-C36 Aliphatics	ND		mg/kg	7.50	--	1
C11-C22 Aromatics	ND		mg/kg	7.50	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.50	--	1
Naphthalene	ND		mg/kg	0.375	--	1
2-Methylnaphthalene	ND		mg/kg	0.375	--	1
Acenaphthylene	ND		mg/kg	0.375	--	1
Acenaphthene	ND		mg/kg	0.375	--	1
Fluorene	ND		mg/kg	0.375	--	1
Phenanthrene	ND		mg/kg	0.375	--	1
Anthracene	ND		mg/kg	0.375	--	1
Fluoranthene	ND		mg/kg	0.375	--	1
Pyrene	ND		mg/kg	0.375	--	1
Benzo(a)anthracene	ND		mg/kg	0.375	--	1
Chrysene	ND		mg/kg	0.375	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.375	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.375	--	1
Benzo(a)pyrene	ND		mg/kg	0.375	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.375	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.375	--	1
Benzo(ghi)perylene	ND		mg/kg	0.375	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-26

Date Collected: 01/18/21 14:00

Client ID: SS-116 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	71		40-140
o-Terphenyl	66		40-140
2-Fluorobiphenyl	77		40-140
2-Bromonaphthalene	77		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-28  
 Client ID: SS-117 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/19/21 09:30  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 18:41  
 Analyst: SR  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	18.6		mg/kg	8.30	--	1
C19-C36 Aliphatics	20.4		mg/kg	8.30	--	1
C11-C22 Aromatics	46.7		mg/kg	8.30	--	1
C11-C22 Aromatics, Adjusted	46.7		mg/kg	8.30	--	1
Naphthalene	ND		mg/kg	0.415	--	1
2-Methylnaphthalene	ND		mg/kg	0.415	--	1
Acenaphthylene	ND		mg/kg	0.415	--	1
Acenaphthene	ND		mg/kg	0.415	--	1
Fluorene	ND		mg/kg	0.415	--	1
Phenanthrene	ND		mg/kg	0.415	--	1
Anthracene	ND		mg/kg	0.415	--	1
Fluoranthene	ND		mg/kg	0.415	--	1
Pyrene	ND		mg/kg	0.415	--	1
Benzo(a)anthracene	ND		mg/kg	0.415	--	1
Chrysene	ND		mg/kg	0.415	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.415	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.415	--	1
Benzo(a)pyrene	ND		mg/kg	0.415	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.415	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.415	--	1
Benzo(ghi)perylene	ND		mg/kg	0.415	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-28

Date Collected: 01/19/21 09:30

Client ID: SS-117 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	68		40-140
o-Terphenyl	73		40-140
2-Fluorobiphenyl	89		40-140
2-Bromonaphthalene	92		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-29  
 Client ID: SS-117 (1-3')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/19/21 10:15  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 09:38  
 Analyst: MEO  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 08:39  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	59.6		mg/kg	8.17	--	1
C19-C36 Aliphatics	24.1		mg/kg	8.17	--	1
C11-C22 Aromatics	140		mg/kg	8.17	--	1
C11-C22 Aromatics, Adjusted	137		mg/kg	8.17	--	1
Naphthalene	ND		mg/kg	0.408	--	1
2-Methylnaphthalene	0.486		mg/kg	0.408	--	1
Acenaphthylene	ND		mg/kg	0.408	--	1
Acenaphthene	ND		mg/kg	0.408	--	1
Fluorene	0.471		mg/kg	0.408	--	1
Phenanthrene	1.50		mg/kg	0.408	--	1
Anthracene	ND		mg/kg	0.408	--	1
Fluoranthene	ND		mg/kg	0.408	--	1
Pyrene	ND		mg/kg	0.408	--	1
Benzo(a)anthracene	ND		mg/kg	0.408	--	1
Chrysene	0.789		mg/kg	0.408	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.408	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.408	--	1
Benzo(a)pyrene	ND		mg/kg	0.408	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.408	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.408	--	1
Benzo(ghi)perylene	ND		mg/kg	0.408	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-29

Date Collected: 01/19/21 10:15

Client ID: SS-117 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	64		40-140
o-Terphenyl	60		40-140
2-Fluorobiphenyl	73		40-140
2-Bromonaphthalene	80		40-140



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-30  
 Client ID: DUP-11  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 11:31  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 19:15  
 Analyst: SR  
 Percent Solids: 82%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 00:03  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.69	--	1
C19-C36 Aliphatics	ND		mg/kg	7.69	--	1
C11-C22 Aromatics	33.9		mg/kg	7.69	--	1
C11-C22 Aromatics, Adjusted	24.7		mg/kg	7.69	--	1
Naphthalene	ND		mg/kg	0.384	--	1
2-Methylnaphthalene	ND		mg/kg	0.384	--	1
Acenaphthylene	ND		mg/kg	0.384	--	1
Acenaphthene	ND		mg/kg	0.384	--	1
Fluorene	ND		mg/kg	0.384	--	1
Phenanthrene	0.987		mg/kg	0.384	--	1
Anthracene	ND		mg/kg	0.384	--	1
Fluoranthene	1.63		mg/kg	0.384	--	1
Pyrene	1.63		mg/kg	0.384	--	1
Benzo(a)anthracene	0.812		mg/kg	0.384	--	1
Chrysene	0.884		mg/kg	0.384	--	1
Benzo(b)fluoranthene	0.925		mg/kg	0.384	--	1
Benzo(k)fluoranthene	0.388		mg/kg	0.384	--	1
Benzo(a)pyrene	0.939		mg/kg	0.384	--	1
Indeno(1,2,3-cd)Pyrene	0.501		mg/kg	0.384	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.384	--	1
Benzo(ghi)perylene	0.510		mg/kg	0.384	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-30

Date Collected: 01/18/21 11:31

Client ID: DUP-11

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	77		40-140
o-Terphenyl	66		40-140
2-Fluorobiphenyl	74		40-140
2-Bromonaphthalene	79		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-39  
 Client ID: SS-123 (0-1')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/18/21 14:35  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 10:14  
 Analyst: MEO  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 08:39  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.69	--	1
C19-C36 Aliphatics	ND		mg/kg	7.69	--	1
C11-C22 Aromatics	17.1		mg/kg	7.69	--	1
C11-C22 Aromatics, Adjusted	16.2		mg/kg	7.69	--	1
Naphthalene	ND		mg/kg	0.384	--	1
2-Methylnaphthalene	ND		mg/kg	0.384	--	1
Acenaphthylene	ND		mg/kg	0.384	--	1
Acenaphthene	ND		mg/kg	0.384	--	1
Fluorene	ND		mg/kg	0.384	--	1
Phenanthrene	ND		mg/kg	0.384	--	1
Anthracene	ND		mg/kg	0.384	--	1
Fluoranthene	ND		mg/kg	0.384	--	1
Pyrene	ND		mg/kg	0.384	--	1
Benzo(a)anthracene	ND		mg/kg	0.384	--	1
Chrysene	ND		mg/kg	0.384	--	1
Benzo(b)fluoranthene	0.471		mg/kg	0.384	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.384	--	1
Benzo(a)pyrene	0.429		mg/kg	0.384	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.384	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.384	--	1
Benzo(ghi)perylene	ND		mg/kg	0.384	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-39

Date Collected: 01/18/21 14:35

Client ID: SS-123 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	75		40-140
o-Terphenyl	75		40-140
2-Fluorobiphenyl	79		40-140
2-Bromonaphthalene	81		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-40  
 Client ID: UU-1 (0-3')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/15/21 09:25  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 10:49  
 Analyst: MEO  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 08:39  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.58	--	1
C19-C36 Aliphatics	ND		mg/kg	7.58	--	1
C11-C22 Aromatics	13.0		mg/kg	7.58	--	1
C11-C22 Aromatics, Adjusted	13.0		mg/kg	7.58	--	1
Naphthalene	ND		mg/kg	0.379	--	1
2-Methylnaphthalene	ND		mg/kg	0.379	--	1
Acenaphthylene	ND		mg/kg	0.379	--	1
Acenaphthene	ND		mg/kg	0.379	--	1
Fluorene	ND		mg/kg	0.379	--	1
Phenanthrene	ND		mg/kg	0.379	--	1
Anthracene	ND		mg/kg	0.379	--	1
Fluoranthene	ND		mg/kg	0.379	--	1
Pyrene	ND		mg/kg	0.379	--	1
Benzo(a)anthracene	ND		mg/kg	0.379	--	1
Chrysene	ND		mg/kg	0.379	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.379	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.379	--	1
Benzo(a)pyrene	ND		mg/kg	0.379	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.379	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.379	--	1
Benzo(ghi)perylene	ND		mg/kg	0.379	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-40

Date Collected: 01/15/21 09:25

Client ID: UU-1 (0-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	70		40-140
o-Terphenyl	64		40-140
2-Fluorobiphenyl	70		40-140
2-Bromonaphthalene	72		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-41  
 Client ID: UU-3 (0-3')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/15/21 13:05  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 11:25  
 Analyst: MEO  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 08:39  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.42	--	1
C19-C36 Aliphatics	ND		mg/kg	7.42	--	1
C11-C22 Aromatics	23.0		mg/kg	7.42	--	1
C11-C22 Aromatics, Adjusted	22.1		mg/kg	7.42	--	1
Naphthalene	ND		mg/kg	0.371	--	1
2-Methylnaphthalene	ND		mg/kg	0.371	--	1
Acenaphthylene	ND		mg/kg	0.371	--	1
Acenaphthene	ND		mg/kg	0.371	--	1
Fluorene	ND		mg/kg	0.371	--	1
Phenanthrene	ND		mg/kg	0.371	--	1
Anthracene	ND		mg/kg	0.371	--	1
Fluoranthene	0.425		mg/kg	0.371	--	1
Pyrene	0.455		mg/kg	0.371	--	1
Benzo(a)anthracene	ND		mg/kg	0.371	--	1
Chrysene	ND		mg/kg	0.371	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.371	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.371	--	1
Benzo(a)pyrene	ND		mg/kg	0.371	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.371	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.371	--	1
Benzo(ghi)perylene	ND		mg/kg	0.371	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-41

Date Collected: 01/15/21 13:05

Client ID: UU-3 (0-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	71		40-140
o-Terphenyl	68		40-140
2-Fluorobiphenyl	77		40-140
2-Bromonaphthalene	80		40-140



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-42  
 Client ID: UU-3 (3-7)  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/15/21 13:15  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 12:00  
 Analyst: MEO  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 08:39  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.58	--	1
C19-C36 Aliphatics	ND		mg/kg	7.58	--	1
C11-C22 Aromatics	21.7		mg/kg	7.58	--	1
C11-C22 Aromatics, Adjusted	21.7		mg/kg	7.58	--	1
Naphthalene	ND		mg/kg	0.379	--	1
2-Methylnaphthalene	ND		mg/kg	0.379	--	1
Acenaphthylene	ND		mg/kg	0.379	--	1
Acenaphthene	ND		mg/kg	0.379	--	1
Fluorene	ND		mg/kg	0.379	--	1
Phenanthrene	ND		mg/kg	0.379	--	1
Anthracene	ND		mg/kg	0.379	--	1
Fluoranthene	ND		mg/kg	0.379	--	1
Pyrene	ND		mg/kg	0.379	--	1
Benzo(a)anthracene	ND		mg/kg	0.379	--	1
Chrysene	ND		mg/kg	0.379	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.379	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.379	--	1
Benzo(a)pyrene	ND		mg/kg	0.379	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.379	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.379	--	1
Benzo(ghi)perylene	ND		mg/kg	0.379	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-42

Date Collected: 01/15/21 13:15

Client ID: UU-3 (3-7')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	68		40-140
o-Terphenyl	70		40-140
2-Fluorobiphenyl	79		40-140
2-Bromonaphthalene	82		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-43  
 Client ID: UU-6 (0-3')  
 Sample Location: BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/15/21 08:45  
 Date Received: 01/19/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/26/21 12:36  
 Analyst: MEO  
 Percent Solids: 91%

Extraction Method: EPA 3546  
 Extraction Date: 01/24/21 08:39  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/25/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.07	--	1
C19-C36 Aliphatics	ND		mg/kg	7.07	--	1
C11-C22 Aromatics	9.32		mg/kg	7.07	--	1
C11-C22 Aromatics, Adjusted	9.32		mg/kg	7.07	--	1
Naphthalene	ND		mg/kg	0.353	--	1
2-Methylnaphthalene	ND		mg/kg	0.353	--	1
Acenaphthylene	ND		mg/kg	0.353	--	1
Acenaphthene	ND		mg/kg	0.353	--	1
Fluorene	ND		mg/kg	0.353	--	1
Phenanthrene	ND		mg/kg	0.353	--	1
Anthracene	ND		mg/kg	0.353	--	1
Fluoranthene	ND		mg/kg	0.353	--	1
Pyrene	ND		mg/kg	0.353	--	1
Benzo(a)anthracene	ND		mg/kg	0.353	--	1
Chrysene	ND		mg/kg	0.353	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.353	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.353	--	1
Benzo(a)pyrene	ND		mg/kg	0.353	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.353	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.353	--	1
Benzo(ghi)perylene	ND		mg/kg	0.353	--	1

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-43

Date Collected: 01/15/21 08:45

Client ID: UU-6 (0-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	70		40-140
o-Terphenyl	64		40-140
2-Fluorobiphenyl	72		40-140
2-Bromonaphthalene	74		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 135,EPH-19-2.1  
Analytical Date: 01/26/21 04:30  
Analyst: MEO

Extraction Method: EPA 3546  
Extraction Date: 01/24/21 00:03  
Cleanup Method: EPH-04-1  
Cleanup Date: 01/25/21

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-10,12-14,16,18,22-23,26,28,30 Batch: WG1458059-1					
C9-C18 Aliphatics	ND		mg/kg	6.30	--
C19-C36 Aliphatics	ND		mg/kg	6.30	--
C11-C22 Aromatics	ND		mg/kg	6.30	--
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.30	--
Naphthalene	ND		mg/kg	0.315	--
2-Methylnaphthalene	ND		mg/kg	0.315	--
Acenaphthylene	ND		mg/kg	0.315	--
Acenaphthene	ND		mg/kg	0.315	--
Fluorene	ND		mg/kg	0.315	--
Phenanthrene	ND		mg/kg	0.315	--
Anthracene	ND		mg/kg	0.315	--
Fluoranthene	ND		mg/kg	0.315	--
Pyrene	ND		mg/kg	0.315	--
Benzo(a)anthracene	ND		mg/kg	0.315	--
Chrysene	ND		mg/kg	0.315	--
Benzo(b)fluoranthene	ND		mg/kg	0.315	--
Benzo(k)fluoranthene	ND		mg/kg	0.315	--
Benzo(a)pyrene	ND		mg/kg	0.315	--
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.315	--
Dibenzo(a,h)anthracene	ND		mg/kg	0.315	--
Benzo(ghi)perylene	ND		mg/kg	0.315	--

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 135,EPH-19-2.1  
Analytical Date: 01/26/21 04:30  
Analyst: MEO

Extraction Method: EPA 3546  
Extraction Date: 01/24/21 00:03  
Cleanup Method: EPH-04-1  
Cleanup Date: 01/25/21

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-10,12-14,16,18,22-23,26,28,30 Batch: WG1458059-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	65		40-140
o-Terphenyl	65		40-140
2-Fluorobiphenyl	77		40-140
2-Bromonaphthalene	78		40-140

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 135,EPH-19-2.1  
Analytical Date: 01/26/21 05:29  
Analyst: MEO

Extraction Method: EPA 3546  
Extraction Date: 01/24/21 08:39  
Cleanup Method: EPH-04-1  
Cleanup Date: 01/25/21

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 11,15,17,21,29,39-43 Batch: WG1458075-1					
C9-C18 Aliphatics	ND		mg/kg	6.39	--
C19-C36 Aliphatics	ND		mg/kg	6.39	--
C11-C22 Aromatics	ND		mg/kg	6.39	--
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.39	--
Naphthalene	ND		mg/kg	0.319	--
2-Methylnaphthalene	ND		mg/kg	0.319	--
Acenaphthylene	ND		mg/kg	0.319	--
Acenaphthene	ND		mg/kg	0.319	--
Fluorene	ND		mg/kg	0.319	--
Phenanthrene	ND		mg/kg	0.319	--
Anthracene	ND		mg/kg	0.319	--
Fluoranthene	ND		mg/kg	0.319	--
Pyrene	ND		mg/kg	0.319	--
Benzo(a)anthracene	ND		mg/kg	0.319	--
Chrysene	ND		mg/kg	0.319	--
Benzo(b)fluoranthene	ND		mg/kg	0.319	--
Benzo(k)fluoranthene	ND		mg/kg	0.319	--
Benzo(a)pyrene	ND		mg/kg	0.319	--
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.319	--
Dibenzo(a,h)anthracene	ND		mg/kg	0.319	--
Benzo(ghi)perylene	ND		mg/kg	0.319	--

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 135,EPH-19-2.1  
Analytical Date: 01/26/21 05:29  
Analyst: MEO

Extraction Method: EPA 3546  
Extraction Date: 01/24/21 08:39  
Cleanup Method: EPH-04-1  
Cleanup Date: 01/25/21

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 11,15,17,21,29,39-43 Batch: WG1458075-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	62		40-140
o-Terphenyl	62		40-140
2-Fluorobiphenyl	74		40-140
2-Bromonaphthalene	75		40-140



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK

**Lab Number:** L2102825

**Project Number:** 414883

**Report Date:** 01/28/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-10,12-14,16,18,22-23,26,28,30 Batch: WG1458059-2 WG1458059-3								
C9-C18 Aliphatics	53		51		40-140	4		25
C19-C36 Aliphatics	84		87		40-140	4		25
C11-C22 Aromatics	74		68		40-140	8		25
Naphthalene	62		59		40-140	5		25
2-Methylnaphthalene	65		62		40-140	5		25
Acenaphthylene	64		60		40-140	6		25
Acenaphthene	68		64		40-140	6		25
Fluorene	67		63		40-140	6		25
Phenanthrene	69		64		40-140	8		25
Anthracene	68		64		40-140	6		25
Fluoranthene	70		65		40-140	7		25
Pyrene	72		66		40-140	9		25
Benzo(a)anthracene	71		66		40-140	7		25
Chrysene	70		65		40-140	7		25
Benzo(b)fluoranthene	78		73		40-140	7		25
Benzo(k)fluoranthene	58		55		40-140	5		25
Benzo(a)pyrene	69		64		40-140	8		25
Indeno(1,2,3-cd)Pyrene	65		62		40-140	5		25
Dibenzo(a,h)anthracene	69		66		40-140	4		25
Benzo(ghi)perylene	62		60		40-140	3		25

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-10,12-14,16,18,22-23,26,28,30 Batch: WG1458059-2 WG1458059-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Chloro-Octadecane	70		69		40-140
o-Terphenyl	66		61		40-140
2-Fluorobiphenyl	72		66		40-140
2-Bromonaphthalene	72		67		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK

**Lab Number:** L2102825

**Project Number:** 414883

**Report Date:** 01/28/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 11,15,17,21,29,39-43 Batch: WG1458075-2 WG1458075-3								
C9-C18 Aliphatics	51		52		40-140	2		25
C19-C36 Aliphatics	77		85		40-140	10		25
C11-C22 Aromatics	84		82		40-140	2		25
Naphthalene	74		64		40-140	14		25
2-Methylnaphthalene	78		71		40-140	9		25
Acenaphthylene	77		74		40-140	4		25
Acenaphthene	81		78		40-140	4		25
Fluorene	82		80		40-140	2		25
Phenanthrene	83		82		40-140	1		25
Anthracene	84		83		40-140	1		25
Fluoranthene	82		82		40-140	0		25
Pyrene	82		81		40-140	1		25
Benzo(a)anthracene	82		82		40-140	0		25
Chrysene	80		81		40-140	1		25
Benzo(b)fluoranthene	88		88		40-140	0		25
Benzo(k)fluoranthene	66		66		40-140	0		25
Benzo(a)pyrene	78		78		40-140	0		25
Indeno(1,2,3-cd)Pyrene	74		74		40-140	0		25
Dibenzo(a,h)anthracene	79		80		40-140	1		25
Benzo(ghi)perylene	70		71		40-140	1		25

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK

**Lab Number:** L2102825

**Project Number:** 414883

**Report Date:** 01/28/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 11,15,17,21,29,39-43 Batch: WG1458075-2 WG1458075-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Chloro-Octadecane	59		65		40-140
o-Terphenyl	75		74		40-140
2-Fluorobiphenyl	85		81		40-140
2-Bromonaphthalene	88		84		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** ENBRIDGE KING'S COVE PARK

**Lab Number:** L2102825

**Project Number:** 414883

**Report Date:** 01/28/21

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 11,15,17,21,29,39-43 QC Batch ID: WG1458075-4 WG1458075-5 QC Sample: L2102825-11 Client ID: SS-107 (0-1')												
C9-C18 Aliphatics	ND	44.8	24.3	54		24.8	57		40-140	2		50
C19-C36 Aliphatics	ND	59.8	49.5	83		53.5	92		40-140	8		50
C11-C22 Aromatics	26.0	127	105	62		140	92		40-140	29		50
Naphthalene	ND	7.48	4.64	62		6.11	84		40-140	27		50
2-Methylnaphthalene	ND	7.48	4.94	66		6.66	92		40-140	30		50
Acenaphthylene	ND	7.48	4.90	66		6.68	92		40-140	31		50
Acenaphthene	ND	7.48	5.12	68		7.00	96		40-140	31		50
Fluorene	ND	7.48	5.22	70		7.12	98		40-140	31		50
Phenanthrene	0.395	7.48	5.45	68		7.52	98		40-140	32		50
Anthracene	ND	7.48	5.32	71		7.27	100		40-140	31		50
Fluoranthene	1.07	7.48	5.59	60		7.76	92		40-140	33		50
Pyrene	1.05	7.48	5.62	61		7.83	93		40-140	33		50
Benzo(a)anthracene	0.592	7.48	5.35	64		7.47	94		40-140	33		50
Chrysene	0.591	7.48	5.29	63		7.37	93		40-140	33		50
Benzo(b)fluoranthene	0.577	7.48	5.62	67		7.86	100		40-140	33		50
Benzo(k)fluoranthene	ND	7.48	4.16	56		5.92	81		40-140	35		50
Benzo(a)pyrene	0.588	7.48	5.07	60		7.20	91		40-140	35		50
Indeno(1,2,3-cd)Pyrene	ND	7.48	4.43	59		6.50	89		40-140	38		50
Dibenzo(a,h)anthracene	ND	7.48	4.77	64		6.85	94		40-140	36		50
Benzo(ghi)perylene	ND	7.48	4.28	57		6.27	86		40-140	38		50

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** ENBRIDGE KING'S COVE PARK

**Lab Number:** L2102825

**Project Number:** 414883

**Report Date:** 01/28/21

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
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Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 11,15,17,21,29,39-43 QC Batch ID: WG1458075-4 WG1458075-5 QC Sample: L2102825-11 Client ID: SS-107 (0-1')

<b>Surrogate</b>	<b>MS</b>		<b>MSD</b>		<b>Acceptance Criteria</b>
	<b>% Recovery</b>	<b>Qualifier</b>	<b>% Recovery</b>	<b>Qualifier</b>	
2-Bromonaphthalene	72		94		40-140
2-Fluorobiphenyl	69		89		40-140
Chloro-Octadecane	57		62		40-140
o-Terphenyl	60		81		40-140

## METALS

**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-01

Date Collected: 01/15/21 10:00

Client ID: SS-101 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.26	--	1	01/21/21 03:46	01/27/21 22:35	EPA 3050B	97,6010D	BV
Arsenic, Total	7.61		mg/kg	0.453	--	1	01/21/21 03:46	01/27/21 22:35	EPA 3050B	97,6010D	BV
Barium, Total	33.1		mg/kg	0.453	--	1	01/21/21 03:46	01/27/21 22:35	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.226	--	1	01/21/21 03:46	01/27/21 22:35	EPA 3050B	97,6010D	BV
Cadmium, Total	0.657		mg/kg	0.453	--	1	01/21/21 03:46	01/27/21 22:35	EPA 3050B	97,6010D	BV
Chromium, Total	9.14		mg/kg	0.453	--	1	01/21/21 03:46	01/27/21 22:35	EPA 3050B	97,6010D	BV
Lead, Total	191		mg/kg	2.26	--	1	01/21/21 03:46	01/27/21 22:35	EPA 3050B	97,6010D	BV
Mercury, Total	0.082		mg/kg	0.078	--	1	01/21/21 03:55	01/27/21 16:45	EPA 7471B	97,7471B	VW
Nickel, Total	10.6		mg/kg	1.13	--	1	01/21/21 03:46	01/27/21 22:35	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.26	--	1	01/21/21 03:46	01/27/21 22:35	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.453	--	1	01/21/21 03:46	01/27/21 22:35	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.26	--	1	01/21/21 03:46	01/27/21 22:35	EPA 3050B	97,6010D	BV
Vanadium, Total	53.3		mg/kg	0.453	--	1	01/21/21 03:46	01/27/21 22:35	EPA 3050B	97,6010D	BV
Zinc, Total	93.3		mg/kg	2.26	--	1	01/21/21 03:46	01/27/21 22:35	EPA 3050B	97,6010D	BV





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-02

Date Collected: 01/15/21 10:05

Client ID: SS-101 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.16	--	1	01/21/21 03:46	01/27/21 22:39	EPA 3050B	97,6010D	BV
Arsenic, Total	5.40		mg/kg	0.433	--	1	01/21/21 03:46	01/27/21 22:39	EPA 3050B	97,6010D	BV
Barium, Total	38.4		mg/kg	0.433	--	1	01/21/21 03:46	01/27/21 22:39	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.216	--	1	01/21/21 03:46	01/27/21 22:39	EPA 3050B	97,6010D	BV
Cadmium, Total	0.481		mg/kg	0.433	--	1	01/21/21 03:46	01/27/21 22:39	EPA 3050B	97,6010D	BV
Chromium, Total	48.6		mg/kg	0.433	--	1	01/21/21 03:46	01/27/21 22:39	EPA 3050B	97,6010D	BV
Lead, Total	138		mg/kg	2.16	--	1	01/21/21 03:46	01/27/21 22:39	EPA 3050B	97,6010D	BV
Mercury, Total	0.102		mg/kg	0.080	--	1	01/21/21 03:55	01/27/21 16:54	EPA 7471B	97,7471B	VW
Nickel, Total	27.0		mg/kg	1.08	--	1	01/21/21 03:46	01/27/21 22:39	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.16	--	1	01/21/21 03:46	01/27/21 22:39	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.433	--	1	01/21/21 03:46	01/27/21 22:39	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.16	--	1	01/21/21 03:46	01/27/21 22:39	EPA 3050B	97,6010D	BV
Vanadium, Total	34.3		mg/kg	0.433	--	1	01/21/21 03:46	01/27/21 22:39	EPA 3050B	97,6010D	BV
Zinc, Total	87.0		mg/kg	2.16	--	1	01/21/21 03:46	01/27/21 22:39	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-03

Date Collected: 01/15/21 10:55

Client ID: SS-102 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.25	--	1	01/21/21 03:46	01/27/21 22:44	EPA 3050B	97,6010D	BV
Arsenic, Total	6.12		mg/kg	0.450	--	1	01/21/21 03:46	01/27/21 22:44	EPA 3050B	97,6010D	BV
Barium, Total	36.9		mg/kg	0.450	--	1	01/21/21 03:46	01/27/21 22:44	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.225	--	1	01/21/21 03:46	01/27/21 22:44	EPA 3050B	97,6010D	BV
Cadmium, Total	0.549		mg/kg	0.450	--	1	01/21/21 03:46	01/27/21 22:44	EPA 3050B	97,6010D	BV
Chromium, Total	51.3		mg/kg	0.450	--	1	01/21/21 03:46	01/27/21 22:44	EPA 3050B	97,6010D	BV
Lead, Total	66.9		mg/kg	2.25	--	1	01/21/21 03:46	01/27/21 22:44	EPA 3050B	97,6010D	BV
Mercury, Total	0.109		mg/kg	0.082	--	1	01/21/21 03:55	01/27/21 16:58	EPA 7471B	97,7471B	VW
Nickel, Total	26.1		mg/kg	1.12	--	1	01/21/21 03:46	01/27/21 22:44	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.25	--	1	01/21/21 03:46	01/27/21 22:44	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.450	--	1	01/21/21 03:46	01/27/21 22:44	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.25	--	1	01/21/21 03:46	01/27/21 22:44	EPA 3050B	97,6010D	BV
Vanadium, Total	23.2		mg/kg	0.450	--	1	01/21/21 03:46	01/27/21 22:44	EPA 3050B	97,6010D	BV
Zinc, Total	89.9		mg/kg	2.25	--	1	01/21/21 03:46	01/27/21 22:44	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-04

Date Collected: 01/15/21 11:00

Client ID: SS-102 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.26	--	1	01/21/21 03:46	01/27/21 23:29	EPA 3050B	97,6010D	BV
Arsenic, Total	4.69		mg/kg	0.452	--	1	01/21/21 03:46	01/27/21 23:29	EPA 3050B	97,6010D	BV
Barium, Total	41.2		mg/kg	0.452	--	1	01/21/21 03:46	01/27/21 23:29	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.226	--	1	01/21/21 03:46	01/27/21 23:29	EPA 3050B	97,6010D	BV
Cadmium, Total	1.46		mg/kg	0.452	--	1	01/21/21 03:46	01/27/21 23:29	EPA 3050B	97,6010D	BV
Chromium, Total	15.4		mg/kg	0.452	--	1	01/21/21 03:46	01/27/21 23:29	EPA 3050B	97,6010D	BV
Lead, Total	287		mg/kg	2.26	--	1	01/21/21 03:46	01/27/21 23:29	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.083	--	1	01/21/21 03:55	01/27/21 17:01	EPA 7471B	97,7471B	VW
Nickel, Total	17.9		mg/kg	1.13	--	1	01/21/21 03:46	01/27/21 23:29	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.26	--	1	01/21/21 03:46	01/27/21 23:29	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.452	--	1	01/21/21 03:46	01/27/21 23:29	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.26	--	1	01/21/21 03:46	01/27/21 23:29	EPA 3050B	97,6010D	BV
Vanadium, Total	43.9		mg/kg	0.452	--	1	01/21/21 03:46	01/27/21 23:29	EPA 3050B	97,6010D	BV
Zinc, Total	304		mg/kg	2.26	--	1	01/21/21 03:46	01/27/21 23:29	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-05

Date Collected: 01/15/21 09:00

Client ID: SS-103 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.36	--	1	01/21/21 03:46	01/27/21 23:34	EPA 3050B	97,6010D	BV
Arsenic, Total	9.06		mg/kg	0.472	--	1	01/21/21 03:46	01/27/21 23:34	EPA 3050B	97,6010D	BV
Barium, Total	33.5		mg/kg	0.472	--	1	01/21/21 03:46	01/27/21 23:34	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.236	--	1	01/21/21 03:46	01/27/21 23:34	EPA 3050B	97,6010D	BV
Cadmium, Total	0.472		mg/kg	0.472	--	1	01/21/21 03:46	01/27/21 23:34	EPA 3050B	97,6010D	BV
Chromium, Total	11.8		mg/kg	0.472	--	1	01/21/21 03:46	01/27/21 23:34	EPA 3050B	97,6010D	BV
Lead, Total	134		mg/kg	2.36	--	1	01/21/21 03:46	01/27/21 23:34	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.083	--	1	01/21/21 03:55	01/27/21 17:04	EPA 7471B	97,7471B	VW
Nickel, Total	26.3		mg/kg	1.18	--	1	01/21/21 03:46	01/27/21 23:34	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.36	--	1	01/21/21 03:46	01/27/21 23:34	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.472	--	1	01/21/21 03:46	01/27/21 23:34	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.36	--	1	01/21/21 03:46	01/27/21 23:34	EPA 3050B	97,6010D	BV
Vanadium, Total	72.4		mg/kg	0.472	--	1	01/21/21 03:46	01/27/21 23:34	EPA 3050B	97,6010D	BV
Zinc, Total	64.2		mg/kg	2.36	--	1	01/21/21 03:46	01/27/21 23:34	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-06

Date Collected: 01/15/21 09:05

Client ID: SS-103 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.27	--	1	01/21/21 03:46	01/27/21 23:38	EPA 3050B	97,6010D	BV
Arsenic, Total	10.5		mg/kg	0.454	--	1	01/21/21 03:46	01/27/21 23:38	EPA 3050B	97,6010D	BV
Barium, Total	28.3		mg/kg	0.454	--	1	01/21/21 03:46	01/27/21 23:38	EPA 3050B	97,6010D	BV
Beryllium, Total	0.231		mg/kg	0.227	--	1	01/21/21 03:46	01/27/21 23:38	EPA 3050B	97,6010D	BV
Cadmium, Total	0.476		mg/kg	0.454	--	1	01/21/21 03:46	01/27/21 23:38	EPA 3050B	97,6010D	BV
Chromium, Total	37.4		mg/kg	0.454	--	1	01/21/21 03:46	01/27/21 23:38	EPA 3050B	97,6010D	BV
Lead, Total	35.8		mg/kg	2.27	--	1	01/21/21 03:46	01/27/21 23:38	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.084	--	1	01/21/21 03:55	01/27/21 17:08	EPA 7471B	97,7471B	VW
Nickel, Total	25.9		mg/kg	1.13	--	1	01/21/21 03:46	01/27/21 23:38	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.27	--	1	01/21/21 03:46	01/27/21 23:38	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.454	--	1	01/21/21 03:46	01/27/21 23:38	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.27	--	1	01/21/21 03:46	01/27/21 23:38	EPA 3050B	97,6010D	BV
Vanadium, Total	53.7		mg/kg	0.454	--	1	01/21/21 03:46	01/27/21 23:38	EPA 3050B	97,6010D	BV
Zinc, Total	38.6		mg/kg	2.27	--	1	01/21/21 03:46	01/27/21 23:38	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-07

Date Collected: 01/18/21 08:40

Client ID: SS-104 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.32	--	1	01/21/21 03:46	01/27/21 23:43	EPA 3050B	97,6010D	BV
Arsenic, Total	3.37		mg/kg	0.463	--	1	01/21/21 03:46	01/27/21 23:43	EPA 3050B	97,6010D	BV
Barium, Total	15.5		mg/kg	0.463	--	1	01/21/21 03:46	01/27/21 23:43	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.232	--	1	01/21/21 03:46	01/27/21 23:43	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.463	--	1	01/21/21 03:46	01/27/21 23:43	EPA 3050B	97,6010D	BV
Chromium, Total	12.0		mg/kg	0.463	--	1	01/21/21 03:46	01/27/21 23:43	EPA 3050B	97,6010D	BV
Lead, Total	21.5		mg/kg	2.32	--	1	01/21/21 03:46	01/27/21 23:43	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.081	--	1	01/21/21 03:55	01/27/21 17:11	EPA 7471B	97,7471B	VW
Nickel, Total	8.06		mg/kg	1.16	--	1	01/21/21 03:46	01/27/21 23:43	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.32	--	1	01/21/21 03:46	01/27/21 23:43	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.463	--	1	01/21/21 03:46	01/27/21 23:43	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.32	--	1	01/21/21 03:46	01/27/21 23:43	EPA 3050B	97,6010D	BV
Vanadium, Total	17.9		mg/kg	0.463	--	1	01/21/21 03:46	01/27/21 23:43	EPA 3050B	97,6010D	BV
Zinc, Total	26.7		mg/kg	2.32	--	1	01/21/21 03:46	01/27/21 23:43	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-08

Date Collected: 01/18/21 09:05

Client ID: SS-105 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.28	--	1	01/21/21 03:46	01/27/21 23:47	EPA 3050B	97,6010D	BV
Arsenic, Total	3.19		mg/kg	0.456	--	1	01/21/21 03:46	01/27/21 23:47	EPA 3050B	97,6010D	BV
Barium, Total	14.6		mg/kg	0.456	--	1	01/21/21 03:46	01/27/21 23:47	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.228	--	1	01/21/21 03:46	01/27/21 23:47	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.456	--	1	01/21/21 03:46	01/27/21 23:47	EPA 3050B	97,6010D	BV
Chromium, Total	5.65		mg/kg	0.456	--	1	01/21/21 03:46	01/27/21 23:47	EPA 3050B	97,6010D	BV
Lead, Total	8.32		mg/kg	2.28	--	1	01/21/21 03:46	01/27/21 23:47	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.084	--	1	01/21/21 03:55	01/27/21 17:14	EPA 7471B	97,7471B	VW
Nickel, Total	4.20		mg/kg	1.14	--	1	01/21/21 03:46	01/27/21 23:47	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.28	--	1	01/21/21 03:46	01/27/21 23:47	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.456	--	1	01/21/21 03:46	01/27/21 23:47	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.28	--	1	01/21/21 03:46	01/27/21 23:47	EPA 3050B	97,6010D	BV
Vanadium, Total	13.2		mg/kg	0.456	--	1	01/21/21 03:46	01/27/21 23:47	EPA 3050B	97,6010D	BV
Zinc, Total	12.3		mg/kg	2.28	--	1	01/21/21 03:46	01/27/21 23:47	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-09

Date Collected: 01/18/21 09:10

Client ID: SS-105 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.36	--	1	01/21/21 03:46	01/28/21 00:01	EPA 3050B	97,6010D	BV
Arsenic, Total	13.5		mg/kg	0.472	--	1	01/21/21 03:46	01/28/21 00:01	EPA 3050B	97,6010D	BV
Barium, Total	95.6		mg/kg	0.472	--	1	01/21/21 03:46	01/28/21 00:01	EPA 3050B	97,6010D	BV
Beryllium, Total	0.869		mg/kg	0.236	--	1	01/21/21 03:46	01/28/21 00:01	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.472	--	1	01/21/21 03:46	01/28/21 00:01	EPA 3050B	97,6010D	BV
Chromium, Total	17.4		mg/kg	0.472	--	1	01/21/21 03:46	01/28/21 00:01	EPA 3050B	97,6010D	BV
Lead, Total	4.90		mg/kg	2.36	--	1	01/21/21 03:46	01/28/21 00:01	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.092	--	1	01/21/21 03:55	01/27/21 17:18	EPA 7471B	97,7471B	VW
Nickel, Total	21.3		mg/kg	1.18	--	1	01/21/21 03:46	01/28/21 00:01	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.36	--	1	01/21/21 03:46	01/28/21 00:01	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.472	--	1	01/21/21 03:46	01/28/21 00:01	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.36	--	1	01/21/21 03:46	01/28/21 00:01	EPA 3050B	97,6010D	BV
Vanadium, Total	16.8		mg/kg	0.472	--	1	01/21/21 03:46	01/28/21 00:01	EPA 3050B	97,6010D	BV
Zinc, Total	11.3		mg/kg	2.36	--	1	01/21/21 03:46	01/28/21 00:01	EPA 3050B	97,6010D	BV





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-10

Date Collected: 01/18/21 09:35

Client ID: SS-106 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.24	--	1	01/21/21 03:46	01/28/21 00:05	EPA 3050B	97,6010D	BV
Arsenic, Total	5.05		mg/kg	0.448	--	1	01/21/21 03:46	01/28/21 00:05	EPA 3050B	97,6010D	BV
Barium, Total	23.0		mg/kg	0.448	--	1	01/21/21 03:46	01/28/21 00:05	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.224	--	1	01/21/21 03:46	01/28/21 00:05	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.448	--	1	01/21/21 03:46	01/28/21 00:05	EPA 3050B	97,6010D	BV
Chromium, Total	10.8		mg/kg	0.448	--	1	01/21/21 03:46	01/28/21 00:05	EPA 3050B	97,6010D	BV
Lead, Total	12.2		mg/kg	2.24	--	1	01/21/21 03:46	01/28/21 00:05	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.085	--	1	01/21/21 03:55	01/27/21 17:21	EPA 7471B	97,7471B	VW
Nickel, Total	9.51		mg/kg	1.12	--	1	01/21/21 03:46	01/28/21 00:05	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.24	--	1	01/21/21 03:46	01/28/21 00:05	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.448	--	1	01/21/21 03:46	01/28/21 00:05	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.24	--	1	01/21/21 03:46	01/28/21 00:05	EPA 3050B	97,6010D	BV
Vanadium, Total	23.4		mg/kg	0.448	--	1	01/21/21 03:46	01/28/21 00:05	EPA 3050B	97,6010D	BV
Zinc, Total	27.0		mg/kg	2.24	--	1	01/21/21 03:46	01/28/21 00:05	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-11

Date Collected: 01/18/21 08:00

Client ID: SS-107 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.14	--	1	01/21/21 03:46	01/27/21 23:07	EPA 3050B	97,6010D	BV
Arsenic, Total	5.90		mg/kg	0.428	--	1	01/21/21 03:46	01/27/21 23:07	EPA 3050B	97,6010D	BV
Barium, Total	37.6		mg/kg	0.428	--	1	01/21/21 03:46	01/27/21 23:07	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.214	--	1	01/21/21 03:46	01/27/21 23:07	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.428	--	1	01/21/21 03:46	01/27/21 23:07	EPA 3050B	97,6010D	BV
Chromium, Total	14.9		mg/kg	0.428	--	1	01/21/21 03:46	01/27/21 23:07	EPA 3050B	97,6010D	BV
Lead, Total	412		mg/kg	2.14	--	1	01/21/21 03:46	01/27/21 23:07	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.072	--	1	01/28/21 11:46	01/28/21 13:13	EPA 7471B	97,7471B	VW
Nickel, Total	7.28		mg/kg	1.07	--	1	01/21/21 03:46	01/27/21 23:07	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.14	--	1	01/21/21 03:46	01/27/21 23:07	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.428	--	1	01/21/21 03:46	01/27/21 23:07	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.14	--	1	01/21/21 03:46	01/27/21 23:07	EPA 3050B	97,6010D	BV
Vanadium, Total	23.4		mg/kg	0.428	--	1	01/21/21 03:46	01/27/21 23:07	EPA 3050B	97,6010D	BV
Zinc, Total	39.3		mg/kg	2.14	--	1	01/21/21 03:46	01/27/21 23:07	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-12

Date Collected: 01/18/21 08:15

Client ID: SS-107 (1-2.5')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.22	--	1	01/21/21 03:46	01/28/21 00:10	EPA 3050B	97,6010D	BV
Arsenic, Total	7.78		mg/kg	0.443	--	1	01/21/21 03:46	01/28/21 00:10	EPA 3050B	97,6010D	BV
Barium, Total	31.2		mg/kg	0.443	--	1	01/21/21 03:46	01/28/21 00:10	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.222	--	1	01/21/21 03:46	01/28/21 00:10	EPA 3050B	97,6010D	BV
Cadmium, Total	0.448		mg/kg	0.443	--	1	01/21/21 03:46	01/28/21 00:10	EPA 3050B	97,6010D	BV
Chromium, Total	40.1		mg/kg	0.443	--	1	01/21/21 03:46	01/28/21 00:10	EPA 3050B	97,6010D	BV
Lead, Total	46.6		mg/kg	2.22	--	1	01/21/21 03:46	01/28/21 00:10	EPA 3050B	97,6010D	BV
Mercury, Total	0.083		mg/kg	0.078	--	1	01/21/21 03:55	01/27/21 17:24	EPA 7471B	97,7471B	VW
Nickel, Total	24.3		mg/kg	1.11	--	1	01/21/21 03:46	01/28/21 00:10	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.22	--	1	01/21/21 03:46	01/28/21 00:10	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.443	--	1	01/21/21 03:46	01/28/21 00:10	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.22	--	1	01/21/21 03:46	01/28/21 00:10	EPA 3050B	97,6010D	BV
Vanadium, Total	37.9		mg/kg	0.443	--	1	01/21/21 03:46	01/28/21 00:10	EPA 3050B	97,6010D	BV
Zinc, Total	42.8		mg/kg	2.22	--	1	01/21/21 03:46	01/28/21 00:10	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-13

Date Collected: 01/15/21 13:15

Client ID: SS-108 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.50	--	1	01/21/21 03:46	01/28/21 00:15	EPA 3050B	97,6010D	BV
Arsenic, Total	15.8		mg/kg	0.501	--	1	01/21/21 03:46	01/28/21 00:15	EPA 3050B	97,6010D	BV
Barium, Total	38.5		mg/kg	0.501	--	1	01/21/21 03:46	01/28/21 00:15	EPA 3050B	97,6010D	BV
Beryllium, Total	0.446		mg/kg	0.250	--	1	01/21/21 03:46	01/28/21 00:15	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.501	--	1	01/21/21 03:46	01/28/21 00:15	EPA 3050B	97,6010D	BV
Chromium, Total	10.3		mg/kg	0.501	--	1	01/21/21 03:46	01/28/21 00:15	EPA 3050B	97,6010D	BV
Lead, Total	25.1		mg/kg	2.50	--	1	01/21/21 03:46	01/28/21 00:15	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.097	--	1	01/21/21 03:55	01/27/21 17:34	EPA 7471B	97,7471B	VW
Nickel, Total	59.1		mg/kg	1.25	--	1	01/21/21 03:46	01/28/21 00:15	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.50	--	1	01/21/21 03:46	01/28/21 00:15	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.501	--	1	01/21/21 03:46	01/28/21 00:15	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.50	--	1	01/21/21 03:46	01/28/21 00:15	EPA 3050B	97,6010D	BV
Vanadium, Total	303		mg/kg	0.501	--	1	01/21/21 03:46	01/28/21 00:15	EPA 3050B	97,6010D	BV
Zinc, Total	48.9		mg/kg	2.50	--	1	01/21/21 03:46	01/28/21 00:15	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-14

Date Collected: 01/15/21 13:20

Client ID: SS-109 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.27	--	1	01/21/21 03:46	01/28/21 00:19	EPA 3050B	97,6010D	BV
Arsenic, Total	7.31		mg/kg	0.455	--	1	01/21/21 03:46	01/28/21 00:19	EPA 3050B	97,6010D	BV
Barium, Total	19.9		mg/kg	0.455	--	1	01/21/21 03:46	01/28/21 00:19	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.227	--	1	01/21/21 03:46	01/28/21 00:19	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.455	--	1	01/21/21 03:46	01/28/21 00:19	EPA 3050B	97,6010D	BV
Chromium, Total	8.67		mg/kg	0.455	--	1	01/21/21 03:46	01/28/21 00:19	EPA 3050B	97,6010D	BV
Lead, Total	13.3		mg/kg	2.27	--	1	01/21/21 03:46	01/28/21 00:19	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.081	--	1	01/21/21 03:55	01/27/21 17:37	EPA 7471B	97,7471B	VW
Nickel, Total	7.77		mg/kg	1.14	--	1	01/21/21 03:46	01/28/21 00:19	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.27	--	1	01/21/21 03:46	01/28/21 00:19	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.455	--	1	01/21/21 03:46	01/28/21 00:19	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.27	--	1	01/21/21 03:46	01/28/21 00:19	EPA 3050B	97,6010D	BV
Vanadium, Total	24.3		mg/kg	0.455	--	1	01/21/21 03:46	01/28/21 00:19	EPA 3050B	97,6010D	BV
Zinc, Total	22.6		mg/kg	2.27	--	1	01/21/21 03:46	01/28/21 00:19	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-15

Date Collected: 01/18/21 10:20

Client ID: SS-110 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.17	--	1	01/21/21 03:46	01/28/21 00:24	EPA 3050B	97,6010D	BV
Arsenic, Total	8.55		mg/kg	0.435	--	1	01/21/21 03:46	01/28/21 00:24	EPA 3050B	97,6010D	BV
Barium, Total	55.5		mg/kg	0.435	--	1	01/21/21 03:46	01/28/21 00:24	EPA 3050B	97,6010D	BV
Beryllium, Total	0.235		mg/kg	0.217	--	1	01/21/21 03:46	01/28/21 00:24	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.435	--	1	01/21/21 03:46	01/28/21 00:24	EPA 3050B	97,6010D	BV
Chromium, Total	7.04		mg/kg	0.435	--	1	01/21/21 03:46	01/28/21 00:24	EPA 3050B	97,6010D	BV
Lead, Total	8.00		mg/kg	2.17	--	1	01/21/21 03:46	01/28/21 00:24	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.084	--	1	01/21/21 03:55	01/27/21 17:41	EPA 7471B	97,7471B	VW
Nickel, Total	5.27		mg/kg	1.09	--	1	01/21/21 03:46	01/28/21 00:24	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.17	--	1	01/21/21 03:46	01/28/21 00:24	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.435	--	1	01/21/21 03:46	01/28/21 00:24	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.17	--	1	01/21/21 03:46	01/28/21 00:24	EPA 3050B	97,6010D	BV
Vanadium, Total	24.4		mg/kg	0.435	--	1	01/21/21 03:46	01/28/21 00:24	EPA 3050B	97,6010D	BV
Zinc, Total	16.1		mg/kg	2.17	--	1	01/21/21 03:46	01/28/21 00:24	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-16

Date Collected: 01/18/21 10:30

Client ID: SS-110 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	11.8	--	5	01/21/21 03:46	01/28/21 07:13	EPA 3050B	97,6010D	GD
Arsenic, Total	94.2		mg/kg	2.37	--	5	01/21/21 03:46	01/28/21 07:13	EPA 3050B	97,6010D	GD
Barium, Total	130		mg/kg	2.37	--	5	01/21/21 03:46	01/28/21 07:13	EPA 3050B	97,6010D	GD
Beryllium, Total	3.06		mg/kg	1.18	--	5	01/21/21 03:46	01/28/21 07:13	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	2.37	--	5	01/21/21 03:46	01/28/21 07:13	EPA 3050B	97,6010D	GD
Chromium, Total	22.2		mg/kg	2.37	--	5	01/21/21 03:46	01/28/21 07:13	EPA 3050B	97,6010D	GD
Lead, Total	35.7		mg/kg	11.8	--	5	01/21/21 03:46	01/28/21 07:13	EPA 3050B	97,6010D	GD
Mercury, Total	0.266		mg/kg	0.091	--	1	01/21/21 03:55	01/27/21 17:44	EPA 7471B	97,7471B	VW
Nickel, Total	29.8		mg/kg	5.93	--	5	01/21/21 03:46	01/28/21 07:13	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	11.8	--	5	01/21/21 03:46	01/28/21 07:13	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	2.37	--	5	01/21/21 03:46	01/28/21 07:13	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	11.8	--	5	01/21/21 03:46	01/28/21 07:13	EPA 3050B	97,6010D	GD
Vanadium, Total	87.6		mg/kg	2.37	--	5	01/21/21 03:46	01/28/21 07:13	EPA 3050B	97,6010D	GD
Zinc, Total	46.4		mg/kg	11.8	--	5	01/21/21 03:46	01/28/21 07:13	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-17

Date Collected: 01/18/21 10:55

Client ID: SS-111 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.30	--	1	01/21/21 03:46	01/28/21 00:33	EPA 3050B	97,6010D	BV
Arsenic, Total	18.2		mg/kg	0.460	--	1	01/21/21 03:46	01/28/21 00:33	EPA 3050B	97,6010D	BV
Barium, Total	41.5		mg/kg	0.460	--	1	01/21/21 03:46	01/28/21 00:33	EPA 3050B	97,6010D	BV
Beryllium, Total	0.479		mg/kg	0.230	--	1	01/21/21 03:46	01/28/21 00:33	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.460	--	1	01/21/21 03:46	01/28/21 00:33	EPA 3050B	97,6010D	BV
Chromium, Total	7.44		mg/kg	0.460	--	1	01/21/21 03:46	01/28/21 00:33	EPA 3050B	97,6010D	BV
Lead, Total	10.4		mg/kg	2.30	--	1	01/21/21 03:46	01/28/21 00:33	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.083	--	1	01/21/21 03:55	01/27/21 17:47	EPA 7471B	97,7471B	VW
Nickel, Total	7.25		mg/kg	1.15	--	1	01/21/21 03:46	01/28/21 00:33	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.30	--	1	01/21/21 03:46	01/28/21 00:33	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.460	--	1	01/21/21 03:46	01/28/21 00:33	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.30	--	1	01/21/21 03:46	01/28/21 00:33	EPA 3050B	97,6010D	BV
Vanadium, Total	23.2		mg/kg	0.460	--	1	01/21/21 03:46	01/28/21 00:33	EPA 3050B	97,6010D	BV
Zinc, Total	16.0		mg/kg	2.30	--	1	01/21/21 03:46	01/28/21 00:33	EPA 3050B	97,6010D	BV





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-18

Date Collected: 01/18/21 11:05

Client ID: SS-111 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.39	--	1	01/21/21 03:46	01/28/21 00:37	EPA 3050B	97,6010D	BV
Arsenic, Total	55.4		mg/kg	0.478	--	1	01/21/21 03:46	01/28/21 00:37	EPA 3050B	97,6010D	BV
Barium, Total	118		mg/kg	0.478	--	1	01/21/21 03:46	01/28/21 00:37	EPA 3050B	97,6010D	BV
Beryllium, Total	1.63		mg/kg	0.239	--	1	01/21/21 03:46	01/28/21 00:37	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.478	--	1	01/21/21 03:46	01/28/21 00:37	EPA 3050B	97,6010D	BV
Chromium, Total	20.7		mg/kg	0.478	--	1	01/21/21 03:46	01/28/21 00:37	EPA 3050B	97,6010D	BV
Lead, Total	15.6		mg/kg	2.39	--	1	01/21/21 03:46	01/28/21 00:37	EPA 3050B	97,6010D	BV
Mercury, Total	0.115		mg/kg	0.090	--	1	01/21/21 03:55	01/27/21 17:51	EPA 7471B	97,7471B	VW
Nickel, Total	21.9		mg/kg	1.19	--	1	01/21/21 03:46	01/28/21 00:37	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.39	--	1	01/21/21 03:46	01/28/21 00:37	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.478	--	1	01/21/21 03:46	01/28/21 00:37	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.39	--	1	01/21/21 03:46	01/28/21 00:37	EPA 3050B	97,6010D	BV
Vanadium, Total	61.6		mg/kg	0.478	--	1	01/21/21 03:46	01/28/21 00:37	EPA 3050B	97,6010D	BV
Zinc, Total	37.3		mg/kg	2.39	--	1	01/21/21 03:46	01/28/21 00:37	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-21

Date Collected: 01/18/21 11:20

Client ID: SS-113 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.29	--	1	01/21/21 03:46	01/28/21 00:42	EPA 3050B	97,6010D	BV
Arsenic, Total	15.6		mg/kg	0.457	--	1	01/21/21 03:46	01/28/21 00:42	EPA 3050B	97,6010D	BV
Barium, Total	30.1		mg/kg	0.457	--	1	01/21/21 03:46	01/28/21 00:42	EPA 3050B	97,6010D	BV
Beryllium, Total	0.421		mg/kg	0.229	--	1	01/21/21 03:46	01/28/21 00:42	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.457	--	1	01/21/21 03:46	01/28/21 00:42	EPA 3050B	97,6010D	BV
Chromium, Total	8.15		mg/kg	0.457	--	1	01/21/21 03:46	01/28/21 00:42	EPA 3050B	97,6010D	BV
Lead, Total	15.5		mg/kg	2.29	--	1	01/21/21 03:46	01/28/21 00:42	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.088	--	1	01/21/21 03:55	01/27/21 17:54	EPA 7471B	97,7471B	VW
Nickel, Total	7.24		mg/kg	1.14	--	1	01/21/21 03:46	01/28/21 00:42	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.29	--	1	01/21/21 03:46	01/28/21 00:42	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.457	--	1	01/21/21 03:46	01/28/21 00:42	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.29	--	1	01/21/21 03:46	01/28/21 00:42	EPA 3050B	97,6010D	BV
Vanadium, Total	23.1		mg/kg	0.457	--	1	01/21/21 03:46	01/28/21 00:42	EPA 3050B	97,6010D	BV
Zinc, Total	23.7		mg/kg	2.29	--	1	01/21/21 03:46	01/28/21 00:42	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-22

Date Collected: 01/18/21 11:30

Client ID: SS-113 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	25.8	--	10	01/21/21 03:46	01/28/21 07:18	EPA 3050B	97,6010D	GD
Arsenic, Total	151		mg/kg	5.17	--	10	01/21/21 03:46	01/28/21 07:18	EPA 3050B	97,6010D	GD
Barium, Total	206		mg/kg	5.17	--	10	01/21/21 03:46	01/28/21 07:18	EPA 3050B	97,6010D	GD
Beryllium, Total	4.50		mg/kg	2.58	--	10	01/21/21 03:46	01/28/21 07:18	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	5.17	--	10	01/21/21 03:46	01/28/21 07:18	EPA 3050B	97,6010D	GD
Chromium, Total	45.8		mg/kg	5.17	--	10	01/21/21 03:46	01/28/21 07:18	EPA 3050B	97,6010D	GD
Lead, Total	60.4		mg/kg	25.8	--	10	01/21/21 03:46	01/28/21 07:18	EPA 3050B	97,6010D	GD
Mercury, Total	0.823		mg/kg	0.099	--	1	01/21/21 03:55	01/27/21 17:57	EPA 7471B	97,7471B	VW
Nickel, Total	50.8		mg/kg	12.9	--	10	01/21/21 03:46	01/28/21 07:18	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	25.8	--	10	01/21/21 03:46	01/28/21 07:18	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	5.17	--	10	01/21/21 03:46	01/28/21 07:18	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	25.8	--	10	01/21/21 03:46	01/28/21 07:18	EPA 3050B	97,6010D	GD
Vanadium, Total	139		mg/kg	5.17	--	10	01/21/21 03:46	01/28/21 07:18	EPA 3050B	97,6010D	GD
Zinc, Total	61.5		mg/kg	25.8	--	10	01/21/21 03:46	01/28/21 07:18	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-23

Date Collected: 01/18/21 12:10

Client ID: SS-114 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.30	--	1	01/22/21 05:36	01/27/21 20:09	EPA 3050B	97,6010D	BV
Arsenic, Total	20.8		mg/kg	0.461	--	1	01/22/21 05:36	01/27/21 20:09	EPA 3050B	97,6010D	BV
Barium, Total	24.3		mg/kg	0.461	--	1	01/22/21 05:36	01/27/21 20:09	EPA 3050B	97,6010D	BV
Beryllium, Total	0.728		mg/kg	0.230	--	1	01/22/21 05:36	01/27/21 20:09	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.461	--	1	01/22/21 05:36	01/27/21 20:09	EPA 3050B	97,6010D	BV
Chromium, Total	23.5		mg/kg	0.461	--	1	01/22/21 05:36	01/27/21 20:09	EPA 3050B	97,6010D	BV
Lead, Total	48.8		mg/kg	2.30	--	1	01/22/21 05:36	01/27/21 20:09	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.091	--	1	01/22/21 05:48	01/27/21 17:46	EPA 7471B	97,7471B	VW
Nickel, Total	372		mg/kg	1.15	--	1	01/22/21 05:36	01/27/21 20:09	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.30	--	1	01/22/21 05:36	01/27/21 20:09	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.461	--	1	01/22/21 05:36	01/27/21 20:09	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.30	--	1	01/22/21 05:36	01/27/21 20:09	EPA 3050B	97,6010D	BV
Vanadium, Total	1450		mg/kg	0.461	--	1	01/22/21 05:36	01/27/21 20:09	EPA 3050B	97,6010D	BV
Zinc, Total	77.9		mg/kg	2.30	--	1	01/22/21 05:36	01/27/21 20:09	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-26

Date Collected: 01/18/21 14:00

Client ID: SS-116 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.16	--	1	01/22/21 05:36	01/27/21 20:13	EPA 3050B	97,6010D	BV
Arsenic, Total	11.3		mg/kg	0.431	--	1	01/22/21 05:36	01/27/21 20:13	EPA 3050B	97,6010D	BV
Barium, Total	27.2		mg/kg	0.431	--	1	01/22/21 05:36	01/27/21 20:13	EPA 3050B	97,6010D	BV
Beryllium, Total	0.466		mg/kg	0.216	--	1	01/22/21 05:36	01/27/21 20:13	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.431	--	1	01/22/21 05:36	01/27/21 20:13	EPA 3050B	97,6010D	BV
Chromium, Total	7.98		mg/kg	0.431	--	1	01/22/21 05:36	01/27/21 20:13	EPA 3050B	97,6010D	BV
Lead, Total	13.1		mg/kg	2.16	--	1	01/22/21 05:36	01/27/21 20:13	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.085	--	1	01/22/21 05:48	01/27/21 17:56	EPA 7471B	97,7471B	VW
Nickel, Total	8.38		mg/kg	1.08	--	1	01/22/21 05:36	01/27/21 20:13	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.16	--	1	01/22/21 05:36	01/27/21 20:13	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.431	--	1	01/22/21 05:36	01/27/21 20:13	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.16	--	1	01/22/21 05:36	01/27/21 20:13	EPA 3050B	97,6010D	BV
Vanadium, Total	23.9		mg/kg	0.431	--	1	01/22/21 05:36	01/27/21 20:13	EPA 3050B	97,6010D	BV
Zinc, Total	21.7		mg/kg	2.16	--	1	01/22/21 05:36	01/27/21 20:13	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-28

Date Collected: 01/19/21 09:30

Client ID: SS-117 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.50	--	1	01/22/21 05:36	01/27/21 20:18	EPA 3050B	97,6010D	BV
Arsenic, Total	27.0		mg/kg	0.501	--	1	01/22/21 05:36	01/27/21 20:18	EPA 3050B	97,6010D	BV
Barium, Total	14.7		mg/kg	0.501	--	1	01/22/21 05:36	01/27/21 20:18	EPA 3050B	97,6010D	BV
Beryllium, Total	0.626		mg/kg	0.250	--	1	01/22/21 05:36	01/27/21 20:18	EPA 3050B	97,6010D	BV
Cadmium, Total	0.981		mg/kg	0.501	--	1	01/22/21 05:36	01/27/21 20:18	EPA 3050B	97,6010D	BV
Chromium, Total	11.0		mg/kg	0.501	--	1	01/22/21 05:36	01/27/21 20:18	EPA 3050B	97,6010D	BV
Lead, Total	27.8		mg/kg	2.50	--	1	01/22/21 05:36	01/27/21 20:18	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.093	--	1	01/22/21 05:48	01/27/21 18:00	EPA 7471B	97,7471B	VW
Nickel, Total	24.6		mg/kg	1.25	--	1	01/22/21 05:36	01/27/21 20:18	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.50	--	1	01/22/21 05:36	01/27/21 20:18	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.501	--	1	01/22/21 05:36	01/27/21 20:18	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.50	--	1	01/22/21 05:36	01/27/21 20:18	EPA 3050B	97,6010D	BV
Vanadium, Total	45.6		mg/kg	0.501	--	1	01/22/21 05:36	01/27/21 20:18	EPA 3050B	97,6010D	BV
Zinc, Total	204		mg/kg	2.50	--	1	01/22/21 05:36	01/27/21 20:18	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-29

Date Collected: 01/19/21 10:15

Client ID: SS-117 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.49	--	1	01/22/21 05:36	01/27/21 20:22	EPA 3050B	97,6010D	BV
Arsenic, Total	35.4		mg/kg	0.497	--	1	01/22/21 05:36	01/27/21 20:22	EPA 3050B	97,6010D	BV
Barium, Total	11.7		mg/kg	0.497	--	1	01/22/21 05:36	01/27/21 20:22	EPA 3050B	97,6010D	BV
Beryllium, Total	0.826		mg/kg	0.249	--	1	01/22/21 05:36	01/27/21 20:22	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.497	--	1	01/22/21 05:36	01/27/21 20:22	EPA 3050B	97,6010D	BV
Chromium, Total	74.6		mg/kg	0.497	--	1	01/22/21 05:36	01/27/21 20:22	EPA 3050B	97,6010D	BV
Lead, Total	24.6		mg/kg	2.49	--	1	01/22/21 05:36	01/27/21 20:22	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.095	--	1	01/22/21 05:48	01/27/21 18:03	EPA 7471B	97,7471B	VW
Nickel, Total	45.4		mg/kg	1.24	--	1	01/22/21 05:36	01/27/21 20:22	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.49	--	1	01/22/21 05:36	01/27/21 20:22	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.497	--	1	01/22/21 05:36	01/27/21 20:22	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.49	--	1	01/22/21 05:36	01/27/21 20:22	EPA 3050B	97,6010D	BV
Vanadium, Total	38.9		mg/kg	0.497	--	1	01/22/21 05:36	01/27/21 20:22	EPA 3050B	97,6010D	BV
Zinc, Total	44.6		mg/kg	2.49	--	1	01/22/21 05:36	01/27/21 20:22	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-30

Date Collected: 01/18/21 11:31

Client ID: DUP-11

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	2.31		mg/kg	2.31	--	1	01/22/21 05:36	01/27/21 20:27	EPA 3050B	97,6010D	BV
Arsenic, Total	53.8		mg/kg	0.463	--	1	01/22/21 05:36	01/27/21 20:27	EPA 3050B	97,6010D	BV
Barium, Total	75.3		mg/kg	0.463	--	1	01/22/21 05:36	01/27/21 20:27	EPA 3050B	97,6010D	BV
Beryllium, Total	1.65		mg/kg	0.231	--	1	01/22/21 05:36	01/27/21 20:27	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.463	--	1	01/22/21 05:36	01/27/21 20:27	EPA 3050B	97,6010D	BV
Chromium, Total	13.9		mg/kg	0.463	--	1	01/22/21 05:36	01/27/21 20:27	EPA 3050B	97,6010D	BV
Lead, Total	34.6		mg/kg	2.31	--	1	01/22/21 05:36	01/27/21 20:27	EPA 3050B	97,6010D	BV
Mercury, Total	0.248		mg/kg	0.092	--	1	01/22/21 05:48	01/27/21 18:06	EPA 7471B	97,7471B	VW
Nickel, Total	18.1		mg/kg	1.16	--	1	01/22/21 05:36	01/27/21 20:27	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.31	--	1	01/22/21 05:36	01/27/21 20:27	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.463	--	1	01/22/21 05:36	01/27/21 20:27	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.31	--	1	01/22/21 05:36	01/27/21 20:27	EPA 3050B	97,6010D	BV
Vanadium, Total	67.5		mg/kg	0.463	--	1	01/22/21 05:36	01/27/21 20:27	EPA 3050B	97,6010D	BV
Zinc, Total	41.2		mg/kg	2.31	--	1	01/22/21 05:36	01/27/21 20:27	EPA 3050B	97,6010D	BV





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-39

Date Collected: 01/18/21 14:35

Client ID: SS-123 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.30	--	1	01/22/21 05:36	01/27/21 20:31	EPA 3050B	97,6010D	BV
Arsenic, Total	20.6		mg/kg	0.459	--	1	01/22/21 05:36	01/27/21 20:31	EPA 3050B	97,6010D	BV
Barium, Total	42.5		mg/kg	0.459	--	1	01/22/21 05:36	01/27/21 20:31	EPA 3050B	97,6010D	BV
Beryllium, Total	0.661		mg/kg	0.230	--	1	01/22/21 05:36	01/27/21 20:31	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.459	--	1	01/22/21 05:36	01/27/21 20:31	EPA 3050B	97,6010D	BV
Chromium, Total	10.5		mg/kg	0.459	--	1	01/22/21 05:36	01/27/21 20:31	EPA 3050B	97,6010D	BV
Lead, Total	15.1		mg/kg	2.30	--	1	01/22/21 05:36	01/27/21 20:31	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.084	--	1	01/22/21 05:48	01/27/21 18:09	EPA 7471B	97,7471B	VW
Nickel, Total	15.0		mg/kg	1.15	--	1	01/22/21 05:36	01/27/21 20:31	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.30	--	1	01/22/21 05:36	01/27/21 20:31	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.459	--	1	01/22/21 05:36	01/27/21 20:31	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.30	--	1	01/22/21 05:36	01/27/21 20:31	EPA 3050B	97,6010D	BV
Vanadium, Total	67.3		mg/kg	0.459	--	1	01/22/21 05:36	01/27/21 20:31	EPA 3050B	97,6010D	BV
Zinc, Total	32.9		mg/kg	2.30	--	1	01/22/21 05:36	01/27/21 20:31	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-40

Date Collected: 01/15/21 09:25

Client ID: UU-1 (0-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.22	--	1	01/22/21 05:36	01/27/21 20:45	EPA 3050B	97,6010D	BV
Arsenic, Total	7.86		mg/kg	0.444	--	1	01/22/21 05:36	01/27/21 20:45	EPA 3050B	97,6010D	BV
Barium, Total	20.3		mg/kg	0.444	--	1	01/22/21 05:36	01/27/21 20:45	EPA 3050B	97,6010D	BV
Beryllium, Total	0.289		mg/kg	0.222	--	1	01/22/21 05:36	01/27/21 20:45	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.444	--	1	01/22/21 05:36	01/27/21 20:45	EPA 3050B	97,6010D	BV
Chromium, Total	7.62		mg/kg	0.444	--	1	01/22/21 05:36	01/27/21 20:45	EPA 3050B	97,6010D	BV
Lead, Total	26.4		mg/kg	2.22	--	1	01/22/21 05:36	01/27/21 20:45	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.077	--	1	01/22/21 05:48	01/27/21 18:13	EPA 7471B	97,7471B	VW
Nickel, Total	9.94		mg/kg	1.11	--	1	01/22/21 05:36	01/27/21 20:45	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.22	--	1	01/22/21 05:36	01/27/21 20:45	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.444	--	1	01/22/21 05:36	01/27/21 20:45	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.22	--	1	01/22/21 05:36	01/27/21 20:45	EPA 3050B	97,6010D	BV
Vanadium, Total	21.2		mg/kg	0.444	--	1	01/22/21 05:36	01/27/21 20:45	EPA 3050B	97,6010D	BV
Zinc, Total	43.0		mg/kg	2.22	--	1	01/22/21 05:36	01/27/21 20:45	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-41

Date Collected: 01/15/21 13:05

Client ID: UU-3 (0-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.14	--	1	01/22/21 05:36	01/27/21 20:49	EPA 3050B	97,6010D	BV
Arsenic, Total	24.4		mg/kg	0.429	--	1	01/22/21 05:36	01/27/21 20:49	EPA 3050B	97,6010D	BV
Barium, Total	39.0		mg/kg	0.429	--	1	01/22/21 05:36	01/27/21 20:49	EPA 3050B	97,6010D	BV
Beryllium, Total	0.802		mg/kg	0.214	--	1	01/22/21 05:36	01/27/21 20:49	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.429	--	1	01/22/21 05:36	01/27/21 20:49	EPA 3050B	97,6010D	BV
Chromium, Total	7.82		mg/kg	0.429	--	1	01/22/21 05:36	01/27/21 20:49	EPA 3050B	97,6010D	BV
Lead, Total	22.3		mg/kg	2.14	--	1	01/22/21 05:36	01/27/21 20:49	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.082	--	1	01/22/21 05:48	01/27/21 18:16	EPA 7471B	97,7471B	VW
Nickel, Total	11.2		mg/kg	1.07	--	1	01/22/21 05:36	01/27/21 20:49	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.14	--	1	01/22/21 05:36	01/27/21 20:49	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.429	--	1	01/22/21 05:36	01/27/21 20:49	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.14	--	1	01/22/21 05:36	01/27/21 20:49	EPA 3050B	97,6010D	BV
Vanadium, Total	34.5		mg/kg	0.429	--	1	01/22/21 05:36	01/27/21 20:49	EPA 3050B	97,6010D	BV
Zinc, Total	34.0		mg/kg	2.14	--	1	01/22/21 05:36	01/27/21 20:49	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-42

Date Collected: 01/15/21 13:15

Client ID: UU-3 (3-7')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.31	--	1	01/22/21 05:36	01/27/21 20:54	EPA 3050B	97,6010D	BV
Arsenic, Total	36.0		mg/kg	0.461	--	1	01/22/21 05:36	01/27/21 20:54	EPA 3050B	97,6010D	BV
Barium, Total	54.3		mg/kg	0.461	--	1	01/22/21 05:36	01/27/21 20:54	EPA 3050B	97,6010D	BV
Beryllium, Total	1.12		mg/kg	0.231	--	1	01/22/21 05:36	01/27/21 20:54	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.461	--	1	01/22/21 05:36	01/27/21 20:54	EPA 3050B	97,6010D	BV
Chromium, Total	9.18		mg/kg	0.461	--	1	01/22/21 05:36	01/27/21 20:54	EPA 3050B	97,6010D	BV
Lead, Total	28.1		mg/kg	2.31	--	1	01/22/21 05:36	01/27/21 20:54	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.082	--	1	01/22/21 05:48	01/27/21 18:19	EPA 7471B	97,7471B	VW
Nickel, Total	15.7		mg/kg	1.15	--	1	01/22/21 05:36	01/27/21 20:54	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.31	--	1	01/22/21 05:36	01/27/21 20:54	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.461	--	1	01/22/21 05:36	01/27/21 20:54	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.31	--	1	01/22/21 05:36	01/27/21 20:54	EPA 3050B	97,6010D	BV
Vanadium, Total	42.4		mg/kg	0.461	--	1	01/22/21 05:36	01/27/21 20:54	EPA 3050B	97,6010D	BV
Zinc, Total	36.7		mg/kg	2.31	--	1	01/22/21 05:36	01/27/21 20:54	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-43

Date Collected: 01/15/21 08:45

Client ID: UU-6 (0-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.16	--	1	01/22/21 05:36	01/27/21 20:58	EPA 3050B	97,6010D	BV
Arsenic, Total	2.95		mg/kg	0.432	--	1	01/22/21 05:36	01/27/21 20:58	EPA 3050B	97,6010D	BV
Barium, Total	13.3		mg/kg	0.432	--	1	01/22/21 05:36	01/27/21 20:58	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.216	--	1	01/22/21 05:36	01/27/21 20:58	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.432	--	1	01/22/21 05:36	01/27/21 20:58	EPA 3050B	97,6010D	BV
Chromium, Total	4.95		mg/kg	0.432	--	1	01/22/21 05:36	01/27/21 20:58	EPA 3050B	97,6010D	BV
Lead, Total	9.57		mg/kg	2.16	--	1	01/22/21 05:36	01/27/21 20:58	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.071	--	1	01/22/21 05:48	01/27/21 18:23	EPA 7471B	97,7471B	VW
Nickel, Total	4.52		mg/kg	1.08	--	1	01/22/21 05:36	01/27/21 20:58	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.16	--	1	01/22/21 05:36	01/27/21 20:58	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.432	--	1	01/22/21 05:36	01/27/21 20:58	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.16	--	1	01/22/21 05:36	01/27/21 20:58	EPA 3050B	97,6010D	BV
Vanadium, Total	12.6		mg/kg	0.432	--	1	01/22/21 05:36	01/27/21 20:58	EPA 3050B	97,6010D	BV
Zinc, Total	18.6		mg/kg	2.16	--	1	01/22/21 05:36	01/27/21 20:58	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

### Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-18,21-22 Batch: WG1456999-1									
Antimony, Total	ND	mg/kg	2.00	--	1	01/21/21 03:46	01/27/21 22:12	97,6010D	BV
Arsenic, Total	ND	mg/kg	0.400	--	1	01/21/21 03:46	01/27/21 22:12	97,6010D	BV
Barium, Total	ND	mg/kg	0.400	--	1	01/21/21 03:46	01/27/21 22:12	97,6010D	BV
Beryllium, Total	ND	mg/kg	0.200	--	1	01/21/21 03:46	01/27/21 22:12	97,6010D	BV
Cadmium, Total	ND	mg/kg	0.400	--	1	01/21/21 03:46	01/27/21 22:12	97,6010D	BV
Chromium, Total	ND	mg/kg	0.400	--	1	01/21/21 03:46	01/27/21 22:12	97,6010D	BV
Lead, Total	ND	mg/kg	2.00	--	1	01/21/21 03:46	01/27/21 22:12	97,6010D	BV
Nickel, Total	ND	mg/kg	1.00	--	1	01/21/21 03:46	01/27/21 22:12	97,6010D	BV
Selenium, Total	ND	mg/kg	2.00	--	1	01/21/21 03:46	01/27/21 22:12	97,6010D	BV
Silver, Total	ND	mg/kg	0.400	--	1	01/21/21 03:46	01/27/21 22:12	97,6010D	BV
Thallium, Total	ND	mg/kg	2.00	--	1	01/21/21 03:46	01/27/21 22:12	97,6010D	BV
Vanadium, Total	ND	mg/kg	0.400	--	1	01/21/21 03:46	01/27/21 22:12	97,6010D	BV
Zinc, Total	ND	mg/kg	2.00	--	1	01/21/21 03:46	01/27/21 22:12	97,6010D	BV

#### Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-10,12-18,21-22 Batch: WG1457001-1									
Mercury, Total	ND	mg/kg	0.083	--	1	01/21/21 03:55	01/27/21 16:18	97,7471B	VW

#### Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 23,26,28-30,39-43 Batch: WG1457003-1									
Antimony, Total	ND	mg/kg	2.00	--	1	01/22/21 05:36	01/27/21 19:55	97,6010D	BV
Arsenic, Total	ND	mg/kg	0.400	--	1	01/22/21 05:36	01/27/21 19:55	97,6010D	BV
Barium, Total	ND	mg/kg	0.400	--	1	01/22/21 05:36	01/27/21 19:55	97,6010D	BV



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

### Method Blank Analysis Batch Quality Control

Beryllium, Total	ND	mg/kg	0.200	--	1	01/22/21 05:36	01/27/21 19:55	97,6010D	BV
Cadmium, Total	ND	mg/kg	0.400	--	1	01/22/21 05:36	01/27/21 19:55	97,6010D	BV
Chromium, Total	ND	mg/kg	0.400	--	1	01/22/21 05:36	01/27/21 19:55	97,6010D	BV
Lead, Total	ND	mg/kg	2.00	--	1	01/22/21 05:36	01/27/21 19:55	97,6010D	BV
Nickel, Total	ND	mg/kg	1.00	--	1	01/22/21 05:36	01/27/21 19:55	97,6010D	BV
Selenium, Total	ND	mg/kg	2.00	--	1	01/22/21 05:36	01/27/21 19:55	97,6010D	BV
Silver, Total	ND	mg/kg	0.400	--	1	01/22/21 05:36	01/27/21 19:55	97,6010D	BV
Thallium, Total	ND	mg/kg	2.00	--	1	01/22/21 05:36	01/27/21 19:55	97,6010D	BV
Vanadium, Total	ND	mg/kg	0.400	--	1	01/22/21 05:36	01/27/21 19:55	97,6010D	BV
Zinc, Total	ND	mg/kg	2.00	--	1	01/22/21 05:36	01/27/21 19:55	97,6010D	BV

#### Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 23,26,28-30,39-43 Batch: WG1457004-1									
Mercury, Total	ND	mg/kg	0.083	--	1	01/22/21 05:48	01/27/21 17:36	97,7471B	VW

#### Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 11 Batch: WG1459647-1									
Mercury, Total	ND	mg/kg	0.083	--	1	01/28/21 11:46	01/28/21 12:57	97,7471B	VW

#### Prep Information

Digestion Method: EPA 7471B



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Total Metals - Mansfield Lab Associated sample(s): 01-18,21-22 Batch: WG1456999-2 WG1456999-3 SRM Lot Number: D109-540								
Antimony, Total	121		114		19-250	6		30
Arsenic, Total	104		100		70-130	4		30
Barium, Total	101		95		75-125	6		30
Beryllium, Total	95		91		75-125	4		30
Cadmium, Total	99		93		75-125	6		30
Chromium, Total	100		94		70-130	6		30
Lead, Total	97		94		72-128	3		30
Nickel, Total	100		94		70-130	6		30
Selenium, Total	106		100		68-132	6		30
Silver, Total	100		97		68-131	3		30
Thallium, Total	93		90		68-131	3		30
Vanadium, Total	102		99		59-141	3		30
Zinc, Total	101		95		70-130	6		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-10,12-18,21-22 Batch: WG1457001-2 WG1457001-3 SRM Lot Number: D109-540								
Mercury, Total	87		91		60-140	4		30



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK

**Project Number:** 414883

**Lab Number:** L2102825

**Report Date:** 01/28/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 23,26,28-30,39-43 Batch: WG1457003-2 WG1457003-3 SRM Lot Number: D109-540					
Antimony, Total	142	148	19-250	4	30
Arsenic, Total	99	102	70-130	3	30
Barium, Total	94	95	75-125	1	30
Beryllium, Total	96	96	75-125	0	30
Cadmium, Total	97	95	75-125	2	30
Chromium, Total	95	94	70-130	1	30
Lead, Total	92	97	72-128	5	30
Nickel, Total	98	96	70-130	2	30
Selenium, Total	100	101	68-132	1	30
Silver, Total	97	98	68-131	1	30
Thallium, Total	103	97	68-131	6	30
Vanadium, Total	95	96	59-141	1	30
Zinc, Total	94	97	70-130	3	30
MCP Total Metals - Mansfield Lab Associated sample(s): 23,26,28-30,39-43 Batch: WG1457004-2 WG1457004-3 SRM Lot Number: D109-540					
Mercury, Total	82	85	60-140	4	30
MCP Total Metals - Mansfield Lab Associated sample(s): 11 Batch: WG1459647-2 WG1459647-3 SRM Lot Number: D109-540					
Mercury, Total	85	94	60-140	10	30

### Matrix Spike Analysis Batch Quality Control

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-18,21-22 QC Batch ID: WG1456999-4 WG1456999-5 QC Sample: L2102825-11 Client ID: SS-107 (0-1')												
Antimony, Total	ND	43.1	27.2	63	Q	29.1	67	Q	75-125	7		35
Arsenic, Total	5.90	10.3	16.1	99		15.4	91		75-125	4		35
Barium, Total	37.6	172	181	83		185	84		75-125	2		35
Beryllium, Total	ND	4.31	3.85	89		3.98	91		75-125	3		35
Cadmium, Total	ND	4.4	4.53	103		4.65	104		75-125	3		35
Chromium, Total	14.9	17.2	30.4	90		25.8	62	Q	75-125	16		35
Lead, Total	412	44	146	0	Q	132	0	Q	75-125	10		35
Nickel, Total	7.28	43.1	45.4	88		45.0	86		75-125	1		35
Selenium, Total	ND	10.3	10.3	100		10.6	101		75-125	3		35
Silver, Total	ND	25.8	23.8	92		24.6	94		75-125	3		35
Thallium, Total	ND	10.3	7.80	75		8.25	79		75-125	7		35
Vanadium, Total	23.4	43.1	62.6	91		62.2	89		75-125	1		35
Zinc, Total	39.3	43.1	82.2	100		77.5	88		75-125	6		35

MCP Total Metals - Mansfield Lab Associated sample(s): 11 QC Batch ID: WG1459647-4 WG1459647-5 QC Sample: L2102825-11 Client ID: SS-107 (0-1')

Mercury, Total	ND	0.167	0.215	129	Q	0.216	136	Q	75-125	0		35
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Project Name: ENBRIDGE KING'S COVE PARK

Project Number: 414883

**Lab Serial Dilution  
Analysis  
Batch Quality Control**

Lab Number: L2102825

Report Date: 01/28/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-18,21-22 QC Batch ID: WG1456999-6 QC Sample: L2102825-11 Client ID: SS-107 (0-1')						
Barium, Total	37.6	41.1	mg/kg	9		20
Chromium, Total	14.9	16.4	mg/kg	10		20
Lead, Total	412	451	mg/kg	9		20
Vanadium, Total	23.4	25.6	mg/kg	9		20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-01  
**Client ID:** SS-101 (0-1')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/15/21 10:00  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.6		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-02

Date Collected: 01/15/21 10:05

Client ID: SS-101 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	90.4		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-03  
**Client ID:** SS-102 (0-1')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/15/21 10:55  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.4		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-04  
**Client ID:** SS-102 (1-3')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/15/21 11:00  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.9		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-05

Date Collected: 01/15/21 09:00

Client ID: SS-103 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.4		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-06

Date Collected: 01/15/21 09:05

Client ID: SS-103 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.0		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-07

Date Collected: 01/18/21 08:40

Client ID: SS-104 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.6		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-08  
**Client ID:** SS-105 (0-1')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/18/21 09:05  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.5		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-09

Date Collected: 01/18/21 09:10

Client ID: SS-105 (1-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	82.5		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-10  
**Client ID:** SS-106 (0-1')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/18/21 09:35  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.2		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-11  
**Client ID:** SS-107 (0-1')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/18/21 08:00  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.3		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-12  
**Client ID:** SS-107 (1-2.5')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/18/21 08:15  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	89.2		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI





**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-13

Date Collected: 01/15/21 13:15

Client ID: SS-108 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	78.7		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-14  
**Client ID:** SS-109 (0-1')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/15/21 13:20  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.6		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-15  
**Client ID:** SS-110 (0-1')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/18/21 10:20  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	89.2		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-16  
**Client ID:** SS-110 (1-3')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/18/21 10:30  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.8		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-17

Date Collected: 01/18/21 10:55

Client ID: SS-111 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.6		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-18  
**Client ID:** SS-111 (1-3')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/18/21 11:05  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	79.2		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-21

Date Collected: 01/18/21 11:20

Client ID: SS-113 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.2		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-22  
**Client ID:** SS-113 (1-3')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/18/21 11:30  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	75.6		%	0.100	NA	1	-	01/20/21 10:25	121,2540G	RI





**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-23  
**Client ID:** SS-114 (0-1')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/18/21 12:10  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.5		%	0.100	NA	1	-	01/20/21 10:48	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-26

Date Collected: 01/18/21 14:00

Client ID: SS-116 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.8		%	0.100	NA	1	-	01/20/21 10:48	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-28

Date Collected: 01/19/21 09:30

Client ID: SS-117 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	78.5		%	0.100	NA	1	-	01/20/21 10:48	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-29  
**Client ID:** SS-117 (1-3')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/19/21 10:15  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.1		%	0.100	NA	1	-	01/20/21 10:48	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-30  
**Client ID:** DUP-11  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/18/21 11:31  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	82.0		%	0.100	NA	1	-	01/20/21 10:48	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-39

Date Collected: 01/18/21 14:35

Client ID: SS-123 (0-1')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.1		%	0.100	NA	1	-	01/20/21 10:48	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-40  
**Client ID:** UU-1 (0-3')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/15/21 09:25  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.2		%	0.100	NA	1	-	01/20/21 10:48	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-41

Date Collected: 01/15/21 13:05

Client ID: UU-3 (0-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.4		%	0.100	NA	1	-	01/20/21 10:48	121,2540G	RI





**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**SAMPLE RESULTS**

**Lab ID:** L2102825-42  
**Client ID:** UU-3 (3-7')  
**Sample Location:** BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/15/21 13:15  
**Date Received:** 01/19/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.1		%	0.100	NA	1	-	01/20/21 10:48	121,2540G	RI



**Project Name:** ENBRIDGE KING'S COVE PARK**Lab Number:** L2102825**Project Number:** 414883**Report Date:** 01/28/21**SAMPLE RESULTS**

Lab ID: L2102825-43

Date Collected: 01/15/21 08:45

Client ID: UU-6 (0-3')

Date Received: 01/19/21

Sample Location: BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	91.4		%	0.100	NA	1	-	01/20/21 10:48	121,2540G	RI



## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** ENBRIDGE KING'S COVE PARK

**Project Number:** 414883

**Lab Number:** L2102825

**Report Date:** 01/28/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-18,21-22 QC Batch ID: WG1456742-1 QC Sample: L2102825-11 Client ID: SS-107 (0-1')						
Solids, Total	88.3	87.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 23,26,28-30,39-43 QC Batch ID: WG1456747-1 QC Sample: L2102825-23 Client ID: SS-114 (0-1')						
Solids, Total	83.5	85.8	%	3		20

Project Name: ENBRIDGE KING'S COVE PARK

Lab Number: L2102825

Project Number: 414883

Report Date: 01/28/21

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

Cooler	Custody Seal
A	Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2102825-01A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-01B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-02A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-02B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-03A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-03B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102825-04A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-04B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-05A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Serial\_No:**01282115:04  
**Lab Number:** L2102825  
**Report Date:** 01/28/21

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2102825-05B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102825-06A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-06B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-07A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-07B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102825-08A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-08B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-09A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-09B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102825-10A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)

\*Values in parentheses indicate holding time in days



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Serial\_No:**01282115:04  
**Lab Number:** L2102825  
**Report Date:** 01/28/21

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2102825-10B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102825-11A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-11A1	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-11A2	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-11B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-11B1	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-11B2	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-12A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-12B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-13A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)

\*Values in parentheses indicate holding time in days



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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2102825-13B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-14A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-14B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-15A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-15B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102825-16A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-16B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102825-17A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-17B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102825-18A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)

\*Values in parentheses indicate holding time in days



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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2102825-18B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-21A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-21B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-22A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-22B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102825-23A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-23B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102825-26A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-26B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-28A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)

\*Values in parentheses indicate holding time in days





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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2102825-28B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-29A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-29B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102825-30A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-30B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-39A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-39B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102825-40A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-40B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2102825-41A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)

\*Values in parentheses indicate holding time in days



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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2102825-41B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-42A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-42B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2102825-43A	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		EPH-DELUX-20(14),TS(7)
L2102825-43B	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

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## GLOSSARY

### Acronyms

DL	- 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

Report Format: Data Usability Report



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#### 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

**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.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**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.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- 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).
- 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.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- 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.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

**Data Qualifiers**

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.

**Project Name:** ENBRIDGE KING'S COVE PARK  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

## REFERENCES

- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 135 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, December 2019, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, March 1, 2020.

## 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

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

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**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.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

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The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** 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 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.

**SM2340B**

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

# CHAIN OF CUSTODY

PAGE 1 OF 5



Westborough, MA    Mansfield, MA  
 TEL: 508-898-9220    TEL: 508-822-9300  
 FAX: 508-898-9193    FAX: 508-822-3288

### Client Information

Client: TRC  
 Address: 650 Suffolk Street  
 Lowell, MA 01854  
 Phone: 978-970-5600

Fax:  Standard     Rush (ONLY IF PRE-APPROVED)  
 Email: [jdoherthy@trccompanies.com](mailto:jdoherthy@trccompanies.com)  
 These samples have been Previously analyzed by Alpha    Due Date:    Time:

Other Project Specific Requirements/Comments/Detection Limits:  
 Send questions to [jstapleton@trccompanies.com](mailto:jstapleton@trccompanies.com)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	MCP 14 Metals	EPH Targets & Fracs											Sample Specific Comments	TOTAL # BOTTLES		
		Date	Time																		
02825 -01	SS-101 (0-1')	01/15/21	1000	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-02	SS-101 (1-3')	01/15/21	1005	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-03	SS-102 (0-1')	01/15/21	1055	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-04	SS-102 (1-3')	01/15/21	1100	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-05	SS-103 (0-1')	01/15/21	0900	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-06	SS-103 (1-3')	01/15/21	0905	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-07	SS-104 (0-1')	01/18/21	0840	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-08	SS-105 (0-1')	01/18/21	0905	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2
-09	SS-105 (1-3')	01/18/21	0910	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2

FORM NO: 01-01(1-11)  
 rev: 5-JAN-12

Date Rec'd in Lab: 1/19/21    ALPHA Job #: L2102825

Report Information	Data Deliverables	Billing Information
<input type="checkbox"/> FAX	<input checked="" type="checkbox"/> EMAIL	<input type="checkbox"/> Same as Client info    PO #: 159499
<input type="checkbox"/> ADEx	<input type="checkbox"/> Add'l Deliverables	

**Regulatory Requirements/Report Limits**

State/Fed Program	Criteria
MCP	S-1

ANALYSIS														SAMPLE HANDLING Filtration <input type="checkbox"/> Done <input type="checkbox"/> Not Needed <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please specify below)	TOTAL # BOTTLES		
MCP 14 Metals	EPH Targets & Fracs																

Container Type	Preservative													
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Jamie Stapleton</i>	1/19/21 1252	<i>APL</i>	1/19/21 1252
<i>APL</i>	1/19/21 1650	<i>APL</i>	1/19/21 1650

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





# CHAIN OF CUSTODY

PAGE 2 OF

## Project Information

Project Name: Enbridge King's Cove Park

Project Location: Bridge Street, Weymouth, MA

Project #: 414883

Project Manager: Jim Doherty

ALPHA Quote #:

## Turn-Around Time

Standard  Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Westborough, MA Mansfield, MA  
 TEL: 508-898-9220 TEL: 508-822-9300  
 FAX: 508-898-9193 FAX: 508-822-3288

## Client Information

Client: TRC  
 Address: 650 Suffolk Street  
 Lowell, MA 01854

Phone: 978-970-5600

Fax:   
 Email: [jdoherly@trccompanies.com](mailto:jdoherly@trccompanies.com)

These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Send questions to [jstapleton@trccompanies.com](mailto:jstapleton@trccompanies.com)

Date Rec'd in Lab: 1/19/21

ALPHA Job #: L2102825

## Report Information Data Deliverables

FAX  EMAIL  
 ADEx  Add'l Deliverables

## Billing Information

Same as Client info PO #: 159499

## Regulatory Requirements/Report Limits

State/Fed Program Criteria  
 MCP S-1

## ANALYSIS

MCP 14 Metals	EPH Targets & Fracs														
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials															TOTAL # BOTTLES
		Date	Time																	
02825 -16	SS-106 (0-1')	01/18/21	0935	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
-11	SS-107 (0-1')	01/18/21	0800	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MS/MSD
-12	SS-107 (1-2.5')	01/18/21	0815	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
-13	SS-108 (0-1')	01/15/21	1315	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
-14	SS-109 (0-1')	01/15/21	1320	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
-15	SS-110 (0-1')	01/18/21	1020	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
-16	SS-110 (1-3')	01/18/21	1030	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Container Type - - - - -  
 Preservative - - - - -

Relinquished By: <i>Janie Stapleton</i>	Date/Time: 1/19/21 1252	Received By: <i>AKH AA</i>	Date/Time: 1/19/21 1302
<i>AKH AA</i>	1/19/21 1050	<i>Kew Jan</i>	1/19/21 1600

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



# CHAIN OF CUSTODY

PAGE 3 OF 5

## Project Information

Project Name: Enbridge King's Cove Park

Project Location: Bridge Street, Weymouth, MA

Project #: 414883

Project Manager: Jim Doherty

ALPHA Quote #:

## Turn-Around Time

Standard  Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Westborough, MA Mansfield, MA  
 TEL: 508-898-9220 TEL: 508-822-9300  
 FAX: 508-898-9193 FAX: 508-822-3288

## Client Information

Client: TRC  
 Address: 650 Suffolk Street  
 Lowell, MA 01854

Phone: 978-970-5600

Fax: Email: [jdoherty@trccompanies.com](mailto:jdoherty@trccompanies.com)

These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:  
 Send questions to [jstapleton@trccompanies.com](mailto:jstapleton@trccompanies.com)

Date Rec'd in Lab: 1/19/21

ALPHA Job #: L2102825

## Report Information Data Deliverables

FAX  EMAIL  
 ADEx  Add'l Deliverables

## Billing Information

Same as Client info PO #: 159499

## Regulatory Requirements/Report Limits

State/Fed Program: MCP Criteria: S-1

## ANALYSIS

MCP 14 Metals	EPH Targets & Fracs														
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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**SAMPLE HANDLING**  
 Filtration  
 Done  
 Not Needed  
 Preservation  
 Lab to do  
 Lab to do  
 (Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
02825-17	SS-111 (0-1')	01/18/21	1055	Soil	JPS
-18	SS-111 (1-3')	01/18/21	1105	Soil	JPS
-19	SS-112 (0-1')	01/14/21	0955	Soil	GP
-20	SS-112 (1-3')	01/14/21	1000	Soil	GP
-21	SS-113 (0-1')	01/18/21	1120	Soil	JPS
-22	SS-113 (1-3')	01/18/21	1130	Soil	JPS
-23	SS-114 (0-1')	01/18/21	1210	Soil	JPS
-24	SS-115 (0-1')	01/14/21	0850	Soil	GP
-25	SS-115 (1-3')	01/14/21	0855	Soil	GP

Container Type	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By: <i>Janice Stalder</i>	Date/Time 1/19/21 1252	Received By: <i>Kevin Gas</i>	Date/Time 1/19/21 1650
<i>Janice Stalder</i>	1/19/21 1650	<i>Kevin Gas</i>	1/19/21 1650

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# CHAIN OF CUSTODY

PAGE 4 OF 5

## Project Information

Project Name: Enbridge King's Cove Park

Project Location: Bridge Street, Weymouth, MA

Project #: 414883

Project Manager: Jim Doherty

ALPHA Quote #:

## Turn-Around Time

Standard  Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Westborough, MA Mansfield, MA  
 TEL: 508-898-9220 TEL: 508-822-9300  
 FAX: 508-898-9193 FAX: 508-822-3288

## Client Information

Client: TRC

Address: 650 Suffolk Street

Lowell, MA 01854

Phone: 978-970-5600

Fax:  
 Email: jdoherty@trccompanies.com

These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Send questions to jstapleton@trccompanies.com

Date Rec'd in Lab: 1/19/21

ALPHA Job #: L2102825

## Report Information Data Deliverables

FAX  EMAIL  
 ADEx  Add'l Deliverables

## Billing Information

Same as Client info PO #: 159499

## Regulatory Requirements/Report Limits

State/Fed Program MCP Criteria S-1

## ANALYSIS

MCP 14 Metals	EPH Targets & Fracs														
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SAMPLE HANDLING  
 Filtration  
 Done  
 Not Needed  
 Lab to do  
 Preservation  
 Lab to do  
 (Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials																
		Date	Time																		
02825 -26	SS-116 (0-1')	01/18/21	1400	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-27	DUP-10	01/14/21	1345	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-28	SS-117 (0-1')	01/19/21	0930	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-29	SS-117 (1-3')	01/19/21	1015	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-30	DUP-11	01/18/21	1131	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-31	SS-118 (1-3')	01/14/21	0805	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-32	SS-119 (1-3')			Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-33	SS-120 (0-1')	01/14/21	1035	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-34	SS-120 (1-2')	01/14/21	1040	Soil	GP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2

Container Type	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Jamie Stapleton</i> AAC	1/19/21 1252	<i>[Signature]</i> AAC	1/19/21 1250
<i>[Signature]</i>	1/19/21 1650	<i>Ken Geo</i>	1/19/21 1650

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

FORM NO. 01-010-NJ (rev 5-JAN-12)



# CHAIN OF CUSTODY

PAGE 5 OF 5

## Project Information

Project Name: Enbridge King's Cove Park

Project Location: Bridge Street, Weymouth, MA

Project #: 414883

Project Manager: Jim Doherty

ALPHA Quote #:

## Turn-Around Time

Standard  Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Westborough, MA Mansfield, MA  
 TEL: 508-898-9220 TEL: 508-822-9300  
 FAX: 508-898-9193 FAX: 508-822-3288

## Client Information

Client: TRC  
 Address: 650 Suffolk Street  
 Lowell, MA 01854

Phone: 978-970-5600

Fax:  
 Email: jdoherty@trccompanies.com

These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:  
 Send questions to jstapleton@trccompanies.com

Date Rec'd in Lab: 1/19/21 ALPHA Job #: 62102825

## Report Information Data Deliverables Billing Information

FAX  EMAIL  Same as Client info PO #: 159499  
 ADEx  Add'l Deliverables

## Regulatory Requirements/Report Limits

State/Fed Program Criteria  
 MCP S-1

## ANALYSIS

MCP 14 Metals	EPH Targets & Fractions														
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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SAMPLE HANDLING  
 Filtration  
 Done  
 Not Needed  
 Lab to do  
 Preservation  
 Lab to do  
 (Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
62825-35	SS-121 (0-1')	01/14/21	1335	Soil	GP
-36	SS-121 (1-2')	01/14/21	1340	Soil	GP
-37	SS-122 (0-1')	01/14/21	1445	Soil	GP
-38	SS-122 (1-3')	01/14/21	1450	Soil	GP
-39	SS-123 (0-1')	01/18/21	1435	Soil	JPS
-40	UU-1 (0-3')	1/15/21	0925	Soil	GP
-41	UU-3 (0-3')	1/15/21	1305	Soil	JPS
-42	UU-3 (3-7')	1/15/21	1315	Soil	JPS
-43	UU-6 (0-3')	1/15/21	0845	Soil	JPS

Container Type	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By: <i>Jimmie Stapleton</i>	Date/Time: 1/19/21 1252	Received By: <i>Mike AAC</i>	Date/Time: 1/19/21 1252
<i>Sublet AAC</i>	1/19/21 1650	<i>Kevin J...</i>	1/19/21 1650

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FORM NO: 01-010-NJ  
 (rev. 9-JAN-12)



## ANALYTICAL REPORT

Lab Number:	L2103973
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Matt Oliveira
Phone:	(978) 656-3600
Project Name:	ENBRIDGE WEYMOUTH COMPRESSOR
Project Number:	414883
Report Date:	02/04/21

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2103973-01	SS-104(1'-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/25/21 13:15	01/26/21
L2103973-02	SS-106(1'-2.9')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/25/21 11:55	01/26/21
L2103973-03	SS-108(0-1')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/25/21 11:20	01/26/21
L2103973-04	SS-108(1'-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/25/21 11:25	01/26/21
L2103973-05	SS-116(1'-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/25/21 10:45	01/26/21
L2103973-06	SS-119(1'-2')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/25/21 09:40	01/26/21
L2103973-07	SS-120(1'-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/25/21 09:00	01/26/21
L2103973-08	SS-123(1'-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/25/21 08:03	01/26/21
L2103973-09	SS-124(0-0.5')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/25/21 13:35	01/26/21
L2103973-10	SS-125(0-0.5')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/25/21 13:50	01/26/21
L2103973-11	SS-126(0-0.5')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/25/21 14:15	01/26/21
L2103973-12	SS-114(1'-3')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/19/21 14:30	01/26/21
L2103973-13	B-606(6'-8')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/26/21 11:00	01/26/21
L2103973-14	B-606(8'-10')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	01/26/21 11:05	01/26/21

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

### MADEP MCP Response Action Analytical Report Certification

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

<b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b>		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	YES
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES
<b>A response to questions G, H and I is required for "Presumptive Certainty" status</b>		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES
<b>For any questions answered "No", please refer to the case narrative section on the following page(s).</b>		

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



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

### 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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

**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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

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**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

### Case Narrative (continued)

#### MCP Related Narratives

##### Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

##### Sample Receipt

L2103973-02: The sample identified as "SS-106(1'-3)" on the chain of custody was identified as "SS-106(1'-2.9)" on the container label. At the client's request, the sample is reported as "SS-106(1'-2.9)".

L2103973-06: The sample identified as "SS-119(1'-3)" on the chain of custody was identified as "SS-119(1'-2)" on the container label. At the client's request, the sample is reported as "SS-119(1'-2)".

#### Total Metals

L2103973-05 and -14: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

In reference to question G:

L2103973-05 and -14: One or more of the target analytes did not achieve the requested CAM reporting limits.

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:

 Cristin Walker

Title: Technical Director/Representative

Date: 02/04/21

**QC OUTLIER SUMMARY REPORT****Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
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There are no QC Outliers associated with this report.

# ORGANICS

# PETROLEUM HYDROCARBONS

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

### SAMPLE RESULTS

**Lab ID:** L2103973-01  
**Client ID:** SS-104(1'-3')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/25/21 13:15  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 135,EPH-19-2.1  
**Analytical Date:** 01/31/21 10:11  
**Analyst:** SC  
**Percent Solids:** 87%

**Extraction Method:** EPA 3546  
**Extraction Date:** 01/30/21 13:36  
**Cleanup Method1:** EPH-04-1  
**Cleanup Date1:** 01/31/21

### Quality Control Information

**Condition of sample received:** Satisfactory  
**Sample Temperature upon receipt:** Received on Ice  
**Sample Extraction method:** Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.42	--	1
C19-C36 Aliphatics	ND		mg/kg	7.42	--	1
C11-C22 Aromatics	46.3		mg/kg	7.42	--	1
C11-C22 Aromatics, Adjusted	25.1		mg/kg	7.42	--	1
Naphthalene	ND		mg/kg	0.371	--	1
2-Methylnaphthalene	ND		mg/kg	0.371	--	1
Acenaphthylene	ND		mg/kg	0.371	--	1
Acenaphthene	ND		mg/kg	0.371	--	1
Fluorene	ND		mg/kg	0.371	--	1
Phenanthrene	2.96		mg/kg	0.371	--	1
Anthracene	0.653		mg/kg	0.371	--	1
Fluoranthene	4.07		mg/kg	0.371	--	1
Pyrene	3.69		mg/kg	0.371	--	1
Benzo(a)anthracene	1.61		mg/kg	0.371	--	1
Chrysene	1.59		mg/kg	0.371	--	1
Benzo(b)fluoranthene	1.85		mg/kg	0.371	--	1
Benzo(k)fluoranthene	0.643		mg/kg	0.371	--	1
Benzo(a)pyrene	1.42		mg/kg	0.371	--	1
Indeno(1,2,3-cd)Pyrene	0.992		mg/kg	0.371	--	1
Dibenzo(a,h)anthracene	0.672		mg/kg	0.371	--	1
Benzo(ghi)perylene	0.993		mg/kg	0.371	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-01

Date Collected: 01/25/21 13:15

Client ID: SS-104(1'-3')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	62		40-140
o-Terphenyl	80		40-140
2-Fluorobiphenyl	90		40-140
2-Bromonaphthalene	92		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

Lab ID: L2103973-02  
 Client ID: SS-106(1'-2.9')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/25/21 11:55  
 Date Received: 01/26/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/31/21 10:36  
 Analyst: SC  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 01/30/21 13:36  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/31/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.48	--	1
C19-C36 Aliphatics	ND		mg/kg	7.48	--	1
C11-C22 Aromatics	25.0		mg/kg	7.48	--	1
C11-C22 Aromatics, Adjusted	21.0		mg/kg	7.48	--	1
Naphthalene	ND		mg/kg	0.374	--	1
2-Methylnaphthalene	ND		mg/kg	0.374	--	1
Acenaphthylene	ND		mg/kg	0.374	--	1
Acenaphthene	ND		mg/kg	0.374	--	1
Fluorene	ND		mg/kg	0.374	--	1
Phenanthrene	0.553		mg/kg	0.374	--	1
Anthracene	ND		mg/kg	0.374	--	1
Fluoranthene	0.717		mg/kg	0.374	--	1
Pyrene	0.775		mg/kg	0.374	--	1
Benzo(a)anthracene	0.442		mg/kg	0.374	--	1
Chrysene	0.592		mg/kg	0.374	--	1
Benzo(b)fluoranthene	0.573		mg/kg	0.374	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.374	--	1
Benzo(a)pyrene	0.406		mg/kg	0.374	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.374	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.374	--	1
Benzo(ghi)perylene	ND		mg/kg	0.374	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-02

Date Collected: 01/25/21 11:55

Client ID: SS-106(1'-2.9')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	66		40-140
o-Terphenyl	88		40-140
2-Fluorobiphenyl	96		40-140
2-Bromonaphthalene	99		40-140



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

Lab ID: L2103973-03  
 Client ID: SS-108(0-1)  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/25/21 11:20  
 Date Received: 01/26/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/31/21 11:00  
 Analyst: SC  
 Percent Solids: 94%

Extraction Method: EPA 3546  
 Extraction Date: 01/30/21 13:36  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/31/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.03	--	1
C19-C36 Aliphatics	ND		mg/kg	7.03	--	1
C11-C22 Aromatics	ND		mg/kg	7.03	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.03	--	1
Naphthalene	ND		mg/kg	0.352	--	1
2-Methylnaphthalene	ND		mg/kg	0.352	--	1
Acenaphthylene	ND		mg/kg	0.352	--	1
Acenaphthene	ND		mg/kg	0.352	--	1
Fluorene	ND		mg/kg	0.352	--	1
Phenanthrene	ND		mg/kg	0.352	--	1
Anthracene	ND		mg/kg	0.352	--	1
Fluoranthene	ND		mg/kg	0.352	--	1
Pyrene	ND		mg/kg	0.352	--	1
Benzo(a)anthracene	ND		mg/kg	0.352	--	1
Chrysene	ND		mg/kg	0.352	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.352	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.352	--	1
Benzo(a)pyrene	ND		mg/kg	0.352	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.352	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.352	--	1
Benzo(ghi)perylene	ND		mg/kg	0.352	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-03

Date Collected: 01/25/21 11:20

Client ID: SS-108(0-1')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		40-140
o-Terphenyl	75		40-140
2-Fluorobiphenyl	82		40-140
2-Bromonaphthalene	82		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

Lab ID: L2103973-04  
 Client ID: SS-108(1'-3)  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/25/21 11:25  
 Date Received: 01/26/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/31/21 11:25  
 Analyst: SC  
 Percent Solids: 90%

Extraction Method: EPA 3546  
 Extraction Date: 01/30/21 13:36  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/31/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.02	--	1
C19-C36 Aliphatics	ND		mg/kg	7.02	--	1
C11-C22 Aromatics	ND		mg/kg	7.02	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.02	--	1
Naphthalene	ND		mg/kg	0.351	--	1
2-Methylnaphthalene	ND		mg/kg	0.351	--	1
Acenaphthylene	ND		mg/kg	0.351	--	1
Acenaphthene	ND		mg/kg	0.351	--	1
Fluorene	ND		mg/kg	0.351	--	1
Phenanthrene	ND		mg/kg	0.351	--	1
Anthracene	ND		mg/kg	0.351	--	1
Fluoranthene	ND		mg/kg	0.351	--	1
Pyrene	ND		mg/kg	0.351	--	1
Benzo(a)anthracene	ND		mg/kg	0.351	--	1
Chrysene	ND		mg/kg	0.351	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.351	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.351	--	1
Benzo(a)pyrene	ND		mg/kg	0.351	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.351	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.351	--	1
Benzo(ghi)perylene	ND		mg/kg	0.351	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-04

Date Collected: 01/25/21 11:25

Client ID: SS-108(1'-3)

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	75		40-140
o-Terphenyl	83		40-140
2-Fluorobiphenyl	89		40-140
2-Bromonaphthalene	90		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

Lab ID: L2103973-05  
 Client ID: SS-116(1'-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/25/21 10:45  
 Date Received: 01/26/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/31/21 11:49  
 Analyst: SC  
 Percent Solids: 82%

Extraction Method: EPA 3546  
 Extraction Date: 01/30/21 13:36  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/31/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.96	--	1
C19-C36 Aliphatics	ND		mg/kg	7.96	--	1
C11-C22 Aromatics	12.0		mg/kg	7.96	--	1
C11-C22 Aromatics, Adjusted	12.0		mg/kg	7.96	--	1
Naphthalene	ND		mg/kg	0.398	--	1
2-Methylnaphthalene	ND		mg/kg	0.398	--	1
Acenaphthylene	ND		mg/kg	0.398	--	1
Acenaphthene	ND		mg/kg	0.398	--	1
Fluorene	ND		mg/kg	0.398	--	1
Phenanthrene	ND		mg/kg	0.398	--	1
Anthracene	ND		mg/kg	0.398	--	1
Fluoranthene	ND		mg/kg	0.398	--	1
Pyrene	ND		mg/kg	0.398	--	1
Benzo(a)anthracene	ND		mg/kg	0.398	--	1
Chrysene	ND		mg/kg	0.398	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.398	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.398	--	1
Benzo(a)pyrene	ND		mg/kg	0.398	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.398	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.398	--	1
Benzo(ghi)perylene	ND		mg/kg	0.398	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-05

Date Collected: 01/25/21 10:45

Client ID: SS-116(1'-3')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	67		40-140
o-Terphenyl	70		40-140
2-Fluorobiphenyl	78		40-140
2-Bromonaphthalene	81		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

Lab ID: L2103973-06  
 Client ID: SS-119(1'-2')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/25/21 09:40  
 Date Received: 01/26/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/31/21 12:14  
 Analyst: SC  
 Percent Solids: 94%

Extraction Method: EPA 3546  
 Extraction Date: 01/30/21 13:36  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/31/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	6.74	--	1
C19-C36 Aliphatics	ND		mg/kg	6.74	--	1
C11-C22 Aromatics	ND		mg/kg	6.74	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.74	--	1
Naphthalene	ND		mg/kg	0.337	--	1
2-Methylnaphthalene	ND		mg/kg	0.337	--	1
Acenaphthylene	ND		mg/kg	0.337	--	1
Acenaphthene	ND		mg/kg	0.337	--	1
Fluorene	ND		mg/kg	0.337	--	1
Phenanthrene	ND		mg/kg	0.337	--	1
Anthracene	ND		mg/kg	0.337	--	1
Fluoranthene	ND		mg/kg	0.337	--	1
Pyrene	ND		mg/kg	0.337	--	1
Benzo(a)anthracene	ND		mg/kg	0.337	--	1
Chrysene	ND		mg/kg	0.337	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.337	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.337	--	1
Benzo(a)pyrene	ND		mg/kg	0.337	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.337	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.337	--	1
Benzo(ghi)perylene	ND		mg/kg	0.337	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-06

Date Collected: 01/25/21 09:40

Client ID: SS-119(1'-2')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	68		40-140
o-Terphenyl	79		40-140
2-Fluorobiphenyl	87		40-140
2-Bromonaphthalene	87		40-140



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

**Lab ID:** L2103973-07  
**Client ID:** SS-120(1'-3')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/25/21 09:00  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 135,EPH-19-2.1  
**Analytical Date:** 01/31/21 12:38  
**Analyst:** SC  
**Percent Solids:** 91%

**Extraction Method:** EPA 3546  
**Extraction Date:** 01/30/21 13:36  
**Cleanup Method1:** EPH-04-1  
**Cleanup Date1:** 01/31/21

**Quality Control Information**

**Condition of sample received:** Satisfactory  
**Sample Temperature upon receipt:** Received on Ice  
**Sample Extraction method:** Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.12	--	1
C19-C36 Aliphatics	ND		mg/kg	7.12	--	1
C11-C22 Aromatics	ND		mg/kg	7.12	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.12	--	1
Naphthalene	ND		mg/kg	0.356	--	1
2-Methylnaphthalene	ND		mg/kg	0.356	--	1
Acenaphthylene	ND		mg/kg	0.356	--	1
Acenaphthene	ND		mg/kg	0.356	--	1
Fluorene	ND		mg/kg	0.356	--	1
Phenanthrene	ND		mg/kg	0.356	--	1
Anthracene	ND		mg/kg	0.356	--	1
Fluoranthene	ND		mg/kg	0.356	--	1
Pyrene	ND		mg/kg	0.356	--	1
Benzo(a)anthracene	ND		mg/kg	0.356	--	1
Chrysene	ND		mg/kg	0.356	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.356	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.356	--	1
Benzo(a)pyrene	ND		mg/kg	0.356	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.356	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.356	--	1
Benzo(ghi)perylene	ND		mg/kg	0.356	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-07

Date Collected: 01/25/21 09:00

Client ID: SS-120(1'-3')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	68		40-140
o-Terphenyl	78		40-140
2-Fluorobiphenyl	83		40-140
2-Bromonaphthalene	83		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

Lab ID: L2103973-08  
 Client ID: SS-123(1'-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/25/21 08:03  
 Date Received: 01/26/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/31/21 13:03  
 Analyst: SC  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 01/30/21 13:36  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/31/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.11	--	1
C19-C36 Aliphatics	ND		mg/kg	7.11	--	1
C11-C22 Aromatics	14.4		mg/kg	7.11	--	1
C11-C22 Aromatics, Adjusted	11.6		mg/kg	7.11	--	1
Naphthalene	ND		mg/kg	0.355	--	1
2-Methylnaphthalene	ND		mg/kg	0.355	--	1
Acenaphthylene	ND		mg/kg	0.355	--	1
Acenaphthene	ND		mg/kg	0.355	--	1
Fluorene	ND		mg/kg	0.355	--	1
Phenanthrene	0.411		mg/kg	0.355	--	1
Anthracene	ND		mg/kg	0.355	--	1
Fluoranthene	0.700		mg/kg	0.355	--	1
Pyrene	0.796		mg/kg	0.355	--	1
Benzo(a)anthracene	0.399		mg/kg	0.355	--	1
Chrysene	0.466		mg/kg	0.355	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.355	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.355	--	1
Benzo(a)pyrene	ND		mg/kg	0.355	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.355	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.355	--	1
Benzo(ghi)perylene	ND		mg/kg	0.355	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-08

Date Collected: 01/25/21 08:03

Client ID: SS-123(1'-3')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	73		40-140
o-Terphenyl	87		40-140
2-Fluorobiphenyl	90		40-140
2-Bromonaphthalene	92		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

### SAMPLE RESULTS

**Lab ID:** L2103973-09  
**Client ID:** SS-124(0-0.5')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/25/21 13:35  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 135,EPH-19-2.1  
**Analytical Date:** 01/31/21 13:27  
**Analyst:** SC  
**Percent Solids:** 80%

**Extraction Method:** EPA 3546  
**Extraction Date:** 01/30/21 13:36  
**Cleanup Method1:** EPH-04-1  
**Cleanup Date1:** 01/31/21

### Quality Control Information

**Condition of sample received:** Satisfactory  
**Sample Temperature upon receipt:** Received on Ice  
**Sample Extraction method:** Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	13.2		mg/kg	7.97	--	1
C19-C36 Aliphatics	ND		mg/kg	7.97	--	1
C11-C22 Aromatics	39.6		mg/kg	7.97	--	1
C11-C22 Aromatics, Adjusted	39.2		mg/kg	7.97	--	1
Naphthalene	ND		mg/kg	0.399	--	1
2-Methylnaphthalene	ND		mg/kg	0.399	--	1
Acenaphthylene	ND		mg/kg	0.399	--	1
Acenaphthene	ND		mg/kg	0.399	--	1
Fluorene	ND		mg/kg	0.399	--	1
Phenanthrene	0.414		mg/kg	0.399	--	1
Anthracene	ND		mg/kg	0.399	--	1
Fluoranthene	ND		mg/kg	0.399	--	1
Pyrene	ND		mg/kg	0.399	--	1
Benzo(a)anthracene	ND		mg/kg	0.399	--	1
Chrysene	ND		mg/kg	0.399	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.399	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.399	--	1
Benzo(a)pyrene	ND		mg/kg	0.399	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.399	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.399	--	1
Benzo(ghi)perylene	ND		mg/kg	0.399	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-09

Date Collected: 01/25/21 13:35

Client ID: SS-124(0-0.5')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	65		40-140
o-Terphenyl	77		40-140
2-Fluorobiphenyl	82		40-140
2-Bromonaphthalene	87		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

### SAMPLE RESULTS

Lab ID: L2103973-10  
 Client ID: SS-125(0-0.5')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/25/21 13:50  
 Date Received: 01/26/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/31/21 13:52  
 Analyst: SC  
 Percent Solids: 64%

Extraction Method: EPA 3546  
 Extraction Date: 01/30/21 13:36  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/31/21

### Quality Control Information

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	10.2	--	1
C19-C36 Aliphatics	18.2		mg/kg	10.2	--	1
C11-C22 Aromatics	121		mg/kg	10.2	--	1
C11-C22 Aromatics, Adjusted	91.7		mg/kg	10.2	--	1
Naphthalene	ND		mg/kg	0.509	--	1
2-Methylnaphthalene	ND		mg/kg	0.509	--	1
Acenaphthylene	0.598		mg/kg	0.509	--	1
Acenaphthene	ND		mg/kg	0.509	--	1
Fluorene	ND		mg/kg	0.509	--	1
Phenanthrene	3.49		mg/kg	0.509	--	1
Anthracene	ND		mg/kg	0.509	--	1
Fluoranthene	6.14		mg/kg	0.509	--	1
Pyrene	6.20		mg/kg	0.509	--	1
Benzo(a)anthracene	2.57		mg/kg	0.509	--	1
Chrysene	2.91		mg/kg	0.509	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.509	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.509	--	1
Benzo(a)pyrene	2.82		mg/kg	0.509	--	1
Indeno(1,2,3-cd)Pyrene	2.11		mg/kg	0.509	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.509	--	1
Benzo(ghi)perylene	2.18		mg/kg	0.509	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-10

Date Collected: 01/25/21 13:50

Client ID: SS-125(0-0.5')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	58		40-140
o-Terphenyl	74		40-140
2-Fluorobiphenyl	83		40-140
2-Bromonaphthalene	86		40-140



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

Lab ID: L2103973-11  
 Client ID: SS-126(0-0.5')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/25/21 14:15  
 Date Received: 01/26/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/31/21 14:41  
 Analyst: SC  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 01/30/21 13:36  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/31/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.91	--	1
C19-C36 Aliphatics	ND		mg/kg	7.91	--	1
C11-C22 Aromatics	27.8		mg/kg	7.91	--	1
C11-C22 Aromatics, Adjusted	25.1		mg/kg	7.91	--	1
Naphthalene	ND		mg/kg	0.395	--	1
2-Methylnaphthalene	ND		mg/kg	0.395	--	1
Acenaphthylene	ND		mg/kg	0.395	--	1
Acenaphthene	ND		mg/kg	0.395	--	1
Fluorene	ND		mg/kg	0.395	--	1
Phenanthrene	0.413		mg/kg	0.395	--	1
Anthracene	ND		mg/kg	0.395	--	1
Fluoranthene	0.596		mg/kg	0.395	--	1
Pyrene	0.688		mg/kg	0.395	--	1
Benzo(a)anthracene	ND		mg/kg	0.395	--	1
Chrysene	0.547		mg/kg	0.395	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.395	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.395	--	1
Benzo(a)pyrene	0.451		mg/kg	0.395	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.395	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.395	--	1
Benzo(ghi)perylene	ND		mg/kg	0.395	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-11

Date Collected: 01/25/21 14:15

Client ID: SS-126(0-0.5')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	57		40-140
o-Terphenyl	69		40-140
2-Fluorobiphenyl	82		40-140
2-Bromonaphthalene	85		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

Lab ID: L2103973-12  
 Client ID: SS-114(1-3')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/19/21 14:30  
 Date Received: 01/26/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/31/21 15:06  
 Analyst: SC  
 Percent Solids: 82%

Extraction Method: EPA 3546  
 Extraction Date: 01/30/21 13:36  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/31/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	8.03	--	1
C19-C36 Aliphatics	ND		mg/kg	8.03	--	1
C11-C22 Aromatics	17.8		mg/kg	8.03	--	1
C11-C22 Aromatics, Adjusted	17.4		mg/kg	8.03	--	1
Naphthalene	ND		mg/kg	0.401	--	1
2-Methylnaphthalene	ND		mg/kg	0.401	--	1
Acenaphthylene	ND		mg/kg	0.401	--	1
Acenaphthene	ND		mg/kg	0.401	--	1
Fluorene	ND		mg/kg	0.401	--	1
Phenanthrene	0.461		mg/kg	0.401	--	1
Anthracene	ND		mg/kg	0.401	--	1
Fluoranthene	ND		mg/kg	0.401	--	1
Pyrene	ND		mg/kg	0.401	--	1
Benzo(a)anthracene	ND		mg/kg	0.401	--	1
Chrysene	ND		mg/kg	0.401	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.401	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.401	--	1
Benzo(a)pyrene	ND		mg/kg	0.401	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.401	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.401	--	1
Benzo(ghi)perylene	ND		mg/kg	0.401	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-12

Date Collected: 01/19/21 14:30

Client ID: SS-114(1-3')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	64		40-140
o-Terphenyl	75		40-140
2-Fluorobiphenyl	88		40-140
2-Bromonaphthalene	90		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

Lab ID: L2103973-13  
 Client ID: B-606(6'-8')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/26/21 11:00  
 Date Received: 01/26/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 02/04/21 14:13  
 Analyst: MEO  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 02/04/21 09:43  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 02/04/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	9.88		mg/kg	7.46	--	1
C19-C36 Aliphatics	15.0		mg/kg	7.46	--	1
C11-C22 Aromatics	34.2		mg/kg	7.46	--	1
C11-C22 Aromatics, Adjusted	30.2		mg/kg	7.46	--	1
Naphthalene	ND		mg/kg	0.373	--	1
2-Methylnaphthalene	ND		mg/kg	0.373	--	1
Acenaphthylene	ND		mg/kg	0.373	--	1
Acenaphthene	ND		mg/kg	0.373	--	1
Fluorene	ND		mg/kg	0.373	--	1
Phenanthrene	0.958		mg/kg	0.373	--	1
Anthracene	ND		mg/kg	0.373	--	1
Fluoranthene	0.758		mg/kg	0.373	--	1
Pyrene	0.953		mg/kg	0.373	--	1
Benzo(a)anthracene	0.412		mg/kg	0.373	--	1
Chrysene	0.546		mg/kg	0.373	--	1
Benzo(b)fluoranthene	0.385		mg/kg	0.373	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.373	--	1
Benzo(a)pyrene	ND		mg/kg	0.373	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.373	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.373	--	1
Benzo(ghi)perylene	ND		mg/kg	0.373	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-13

Date Collected: 01/26/21 11:00

Client ID: B-606(6'-8')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	56		40-140
o-Terphenyl	71		40-140
2-Fluorobiphenyl	89		40-140
2-Bromonaphthalene	91		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

Lab ID: L2103973-14  
 Client ID: B-606(8'-10')  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 01/26/21 11:05  
 Date Received: 01/26/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 01/31/21 15:55  
 Analyst: SC  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 01/30/21 13:36  
 Cleanup Method1: EPH-04-1  
 Cleanup Date1: 01/31/21

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.93	--	1
C19-C36 Aliphatics	ND		mg/kg	7.93	--	1
C11-C22 Aromatics	ND		mg/kg	7.93	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.93	--	1
Naphthalene	ND		mg/kg	0.397	--	1
2-Methylnaphthalene	ND		mg/kg	0.397	--	1
Acenaphthylene	ND		mg/kg	0.397	--	1
Acenaphthene	ND		mg/kg	0.397	--	1
Fluorene	ND		mg/kg	0.397	--	1
Phenanthrene	ND		mg/kg	0.397	--	1
Anthracene	ND		mg/kg	0.397	--	1
Fluoranthene	ND		mg/kg	0.397	--	1
Pyrene	ND		mg/kg	0.397	--	1
Benzo(a)anthracene	ND		mg/kg	0.397	--	1
Chrysene	ND		mg/kg	0.397	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.397	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.397	--	1
Benzo(a)pyrene	ND		mg/kg	0.397	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.397	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.397	--	1
Benzo(ghi)perylene	ND		mg/kg	0.397	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-14

Date Collected: 01/26/21 11:05

Client ID: B-606(8'-10')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	57		40-140
o-Terphenyl	66		40-140
2-Fluorobiphenyl	81		40-140
2-Bromonaphthalene	82		40-140



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 135,EPH-19-2.1  
Analytical Date: 01/31/21 09:47  
Analyst: SC

Extraction Method: EPA 3546  
Extraction Date: 01/30/21 13:36  
Cleanup Method: EPH-04-1  
Cleanup Date: 01/31/21

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-12,14 Batch: WG1460365-1					
C9-C18 Aliphatics	ND		mg/kg	6.60	--
C19-C36 Aliphatics	ND		mg/kg	6.60	--
C11-C22 Aromatics	ND		mg/kg	6.60	--
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.60	--
Naphthalene	ND		mg/kg	0.330	--
2-Methylnaphthalene	ND		mg/kg	0.330	--
Acenaphthylene	ND		mg/kg	0.330	--
Acenaphthene	ND		mg/kg	0.330	--
Fluorene	ND		mg/kg	0.330	--
Phenanthrene	ND		mg/kg	0.330	--
Anthracene	ND		mg/kg	0.330	--
Fluoranthene	ND		mg/kg	0.330	--
Pyrene	ND		mg/kg	0.330	--
Benzo(a)anthracene	ND		mg/kg	0.330	--
Chrysene	ND		mg/kg	0.330	--
Benzo(b)fluoranthene	ND		mg/kg	0.330	--
Benzo(k)fluoranthene	ND		mg/kg	0.330	--
Benzo(a)pyrene	ND		mg/kg	0.330	--
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.330	--
Dibenzo(a,h)anthracene	ND		mg/kg	0.330	--
Benzo(ghi)perylene	ND		mg/kg	0.330	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	56		40-140
o-Terphenyl	63		40-140
2-Fluorobiphenyl	83		40-140
2-Bromonaphthalene	83		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 135,EPH-19-2.1  
Analytical Date: 02/04/21 14:58  
Analyst: MEO

Extraction Method: EPA 3546  
Extraction Date: 02/04/21 09:43  
Cleanup Method: EPH-04-1  
Cleanup Date: 02/04/21

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 13 Batch: WG1461632-1					
C9-C18 Aliphatics	ND		mg/kg	6.27	--
C19-C36 Aliphatics	ND		mg/kg	6.27	--
C11-C22 Aromatics	ND		mg/kg	6.27	--
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.27	--
Naphthalene	ND		mg/kg	0.314	--
2-Methylnaphthalene	ND		mg/kg	0.314	--
Acenaphthylene	ND		mg/kg	0.314	--
Acenaphthene	ND		mg/kg	0.314	--
Fluorene	ND		mg/kg	0.314	--
Phenanthrene	ND		mg/kg	0.314	--
Anthracene	ND		mg/kg	0.314	--
Fluoranthene	ND		mg/kg	0.314	--
Pyrene	ND		mg/kg	0.314	--
Benzo(a)anthracene	ND		mg/kg	0.314	--
Chrysene	ND		mg/kg	0.314	--
Benzo(b)fluoranthene	ND		mg/kg	0.314	--
Benzo(k)fluoranthene	ND		mg/kg	0.314	--
Benzo(a)pyrene	ND		mg/kg	0.314	--
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.314	--
Dibenzo(a,h)anthracene	ND		mg/kg	0.314	--
Benzo(ghi)perylene	ND		mg/kg	0.314	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	61		40-140
o-Terphenyl	65		40-140
2-Fluorobiphenyl	78		40-140
2-Bromonaphthalene	77		40-140

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR

**Lab Number:** L2103973

**Project Number:** 414883

**Report Date:** 02/04/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-12,14 Batch: WG1460365-2 WG1460365-3								
C9-C18 Aliphatics	48		48		40-140	0		25
C19-C36 Aliphatics	66		67		40-140	2		25
C11-C22 Aromatics	61		78		40-140	24		25
Naphthalene	52		66		40-140	24		25
2-Methylnaphthalene	55		69		40-140	23		25
Acenaphthylene	54		68		40-140	23		25
Acenaphthene	59		74		40-140	23		25
Fluorene	59		75		40-140	24		25
Phenanthrene	60		77		40-140	25		25
Anthracene	59		76		40-140	25		25
Fluoranthene	62		80		40-140	25		25
Pyrene	63		81		40-140	25		25
Benzo(a)anthracene	63		81		40-140	25		25
Chrysene	64		82		40-140	25		25
Benzo(b)fluoranthene	70		90		40-140	25		25
Benzo(k)fluoranthene	53		68		40-140	25		25
Benzo(a)pyrene	61		77		40-140	23		25
Indeno(1,2,3-cd)Pyrene	59		75		40-140	24		25
Dibenzo(a,h)anthracene	63		80		40-140	24		25
Benzo(ghi)perylene	58		74		40-140	24		25

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-12,14 Batch: WG1460365-2 WG1460365-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Chloro-Octadecane	66		66		40-140
o-Terphenyl	64		80		40-140
2-Fluorobiphenyl	72		95		40-140
2-Bromonaphthalene	72		96		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR

**Lab Number:** L2103973

**Project Number:** 414883

**Report Date:** 02/04/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 13 Batch: WG1461632-2 WG1461632-3								
C9-C18 Aliphatics	60		60		40-140	0		25
C19-C36 Aliphatics	72		74		40-140	3		25
C11-C22 Aromatics	72		64		40-140	12		25
Naphthalene	63		62		40-140	2		25
2-Methylnaphthalene	66		64		40-140	3		25
Acenaphthylene	65		61		40-140	6		25
Acenaphthene	70		65		40-140	7		25
Fluorene	70		63		40-140	11		25
Phenanthrene	69		62		40-140	11		25
Anthracene	70		62		40-140	12		25
Fluoranthene	70		62		40-140	12		25
Pyrene	70		62		40-140	12		25
Benzo(a)anthracene	69		61		40-140	12		25
Chrysene	71		62		40-140	14		25
Benzo(b)fluoranthene	76		68		40-140	11		25
Benzo(k)fluoranthene	58		51		40-140	13		25
Benzo(a)pyrene	67		59		40-140	13		25
Indeno(1,2,3-cd)Pyrene	64		57		40-140	12		25
Dibenzo(a,h)anthracene	70		61		40-140	14		25
Benzo(ghi)perylene	63		56		40-140	12		25

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 13 Batch: WG1461632-2 WG1461632-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
Chloro-Octadecane	65		64		40-140
o-Terphenyl	67		58		40-140
2-Fluorobiphenyl	77		72		40-140
2-Bromonaphthalene	79		72		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

## METALS

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-01

Date Collected: 01/25/21 13:15

Client ID: SS-104(1'-3')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.20	--	1	01/29/21 08:00	01/29/21 17:16	EPA 3050B	97,6010D	BV
Arsenic, Total	5.65		mg/kg	0.440	--	1	01/29/21 08:00	01/29/21 17:16	EPA 3050B	97,6010D	BV
Barium, Total	23.1		mg/kg	0.440	--	1	01/29/21 08:00	01/29/21 17:16	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.220	--	1	01/29/21 08:00	01/29/21 17:16	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.440	--	1	01/29/21 08:00	01/29/21 17:16	EPA 3050B	97,6010D	BV
Chromium, Total	11.0		mg/kg	0.440	--	1	01/29/21 08:00	01/29/21 17:16	EPA 3050B	97,6010D	BV
Lead, Total	20.4		mg/kg	2.20	--	1	01/29/21 08:00	01/29/21 17:16	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.084	--	1	01/29/21 06:00	01/29/21 21:19	EPA 7471B	97,7471B	EW
Nickel, Total	9.09		mg/kg	1.10	--	1	01/29/21 08:00	01/29/21 17:16	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.20	--	1	01/29/21 08:00	01/29/21 17:16	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.440	--	1	01/29/21 08:00	01/29/21 17:16	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.20	--	1	01/29/21 08:00	01/29/21 17:16	EPA 3050B	97,6010D	BV
Vanadium, Total	26.3		mg/kg	0.440	--	1	01/29/21 08:00	01/29/21 17:16	EPA 3050B	97,6010D	BV
Zinc, Total	44.5		mg/kg	2.20	--	1	01/29/21 08:00	01/29/21 17:16	EPA 3050B	97,6010D	BV





**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-02

Date Collected: 01/25/21 11:55

Client ID: SS-106(1'-2.9')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.24	--	1	01/29/21 08:00	01/29/21 17:20	EPA 3050B	97,6010D	BV
Arsenic, Total	15.6		mg/kg	0.448	--	1	01/29/21 08:00	01/29/21 17:20	EPA 3050B	97,6010D	BV
Barium, Total	36.5		mg/kg	0.448	--	1	01/29/21 08:00	01/29/21 17:20	EPA 3050B	97,6010D	BV
Beryllium, Total	0.502		mg/kg	0.224	--	1	01/29/21 08:00	01/29/21 17:20	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.448	--	1	01/29/21 08:00	01/29/21 17:20	EPA 3050B	97,6010D	BV
Chromium, Total	11.8		mg/kg	0.448	--	1	01/29/21 08:00	01/29/21 17:20	EPA 3050B	97,6010D	BV
Lead, Total	26.9		mg/kg	2.24	--	1	01/29/21 08:00	01/29/21 17:20	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.085	--	1	01/29/21 06:00	01/29/21 21:23	EPA 7471B	97,7471B	EW
Nickel, Total	20.3		mg/kg	1.12	--	1	01/29/21 08:00	01/29/21 17:20	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.24	--	1	01/29/21 08:00	01/29/21 17:20	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.448	--	1	01/29/21 08:00	01/29/21 17:20	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.24	--	1	01/29/21 08:00	01/29/21 17:20	EPA 3050B	97,6010D	BV
Vanadium, Total	36.9		mg/kg	0.448	--	1	01/29/21 08:00	01/29/21 17:20	EPA 3050B	97,6010D	BV
Zinc, Total	43.8		mg/kg	2.24	--	1	01/29/21 08:00	01/29/21 17:20	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-03

Date Collected: 01/25/21 11:20

Client ID: SS-108(0-1')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.08	--	1	01/29/21 08:00	01/29/21 17:25	EPA 3050B	97,6010D	BV
Arsenic, Total	1.71		mg/kg	0.417	--	1	01/29/21 08:00	01/29/21 17:25	EPA 3050B	97,6010D	BV
Barium, Total	19.3		mg/kg	0.417	--	1	01/29/21 08:00	01/29/21 17:25	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.208	--	1	01/29/21 08:00	01/29/21 17:25	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.417	--	1	01/29/21 08:00	01/29/21 17:25	EPA 3050B	97,6010D	BV
Chromium, Total	9.01		mg/kg	0.417	--	1	01/29/21 08:00	01/29/21 17:25	EPA 3050B	97,6010D	BV
Lead, Total	21.1		mg/kg	2.08	--	1	01/29/21 08:00	01/29/21 17:25	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.077	--	1	01/29/21 06:00	01/29/21 21:26	EPA 7471B	97,7471B	EW
Nickel, Total	6.61		mg/kg	1.04	--	1	01/29/21 08:00	01/29/21 17:25	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.08	--	1	01/29/21 08:00	01/29/21 17:25	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.417	--	1	01/29/21 08:00	01/29/21 17:25	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.08	--	1	01/29/21 08:00	01/29/21 17:25	EPA 3050B	97,6010D	BV
Vanadium, Total	15.1		mg/kg	0.417	--	1	01/29/21 08:00	01/29/21 17:25	EPA 3050B	97,6010D	BV
Zinc, Total	18.1		mg/kg	2.08	--	1	01/29/21 08:00	01/29/21 17:25	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-04

Date Collected: 01/25/21 11:25

Client ID: SS-108(1'-3)

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.16	--	1	01/29/21 08:00	01/29/21 17:29	EPA 3050B	97,6010D	BV
Arsenic, Total	23.1		mg/kg	0.432	--	1	01/29/21 08:00	01/29/21 17:29	EPA 3050B	97,6010D	BV
Barium, Total	59.1		mg/kg	0.432	--	1	01/29/21 08:00	01/29/21 17:29	EPA 3050B	97,6010D	BV
Beryllium, Total	0.709		mg/kg	0.216	--	1	01/29/21 08:00	01/29/21 17:29	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.432	--	1	01/29/21 08:00	01/29/21 17:29	EPA 3050B	97,6010D	BV
Chromium, Total	8.80		mg/kg	0.432	--	1	01/29/21 08:00	01/29/21 17:29	EPA 3050B	97,6010D	BV
Lead, Total	20.0		mg/kg	2.16	--	1	01/29/21 08:00	01/29/21 17:29	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.080	--	1	01/29/21 06:00	01/29/21 21:29	EPA 7471B	97,7471B	EW
Nickel, Total	28.3		mg/kg	1.08	--	1	01/29/21 08:00	01/29/21 17:29	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.16	--	1	01/29/21 08:00	01/29/21 17:29	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.432	--	1	01/29/21 08:00	01/29/21 17:29	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.16	--	1	01/29/21 08:00	01/29/21 17:29	EPA 3050B	97,6010D	BV
Vanadium, Total	93.4		mg/kg	0.432	--	1	01/29/21 08:00	01/29/21 17:29	EPA 3050B	97,6010D	BV
Zinc, Total	25.9		mg/kg	2.16	--	1	01/29/21 08:00	01/29/21 17:29	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-05

Date Collected: 01/25/21 10:45

Client ID: SS-116(1'-3')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	12.0	--	5	01/29/21 08:00	01/30/21 00:25	EPA 3050B	97,6010D	BV
Arsenic, Total	107		mg/kg	2.39	--	5	01/29/21 08:00	01/30/21 00:25	EPA 3050B	97,6010D	BV
Barium, Total	163		mg/kg	2.39	--	5	01/29/21 08:00	01/30/21 00:25	EPA 3050B	97,6010D	BV
Beryllium, Total	3.08		mg/kg	1.20	--	5	01/29/21 08:00	01/30/21 00:25	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	2.39	--	5	01/29/21 08:00	01/30/21 00:25	EPA 3050B	97,6010D	BV
Chromium, Total	23.0		mg/kg	2.39	--	5	01/29/21 08:00	01/30/21 00:25	EPA 3050B	97,6010D	BV
Lead, Total	27.8		mg/kg	12.0	--	5	01/29/21 08:00	01/30/21 00:25	EPA 3050B	97,6010D	BV
Mercury, Total	0.124		mg/kg	0.090	--	1	01/29/21 06:00	01/29/21 21:33	EPA 7471B	97,7471B	EW
Nickel, Total	48.6		mg/kg	5.98	--	5	01/29/21 08:00	01/30/21 00:25	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	12.0	--	5	01/29/21 08:00	01/30/21 00:25	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	2.39	--	5	01/29/21 08:00	01/30/21 00:25	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	12.0	--	5	01/29/21 08:00	01/30/21 00:25	EPA 3050B	97,6010D	BV
Vanadium, Total	116		mg/kg	2.39	--	5	01/29/21 08:00	01/30/21 00:25	EPA 3050B	97,6010D	BV
Zinc, Total	44.2		mg/kg	12.0	--	5	01/29/21 08:00	01/30/21 00:25	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-06

Date Collected: 01/25/21 09:40

Client ID: SS-119(1'-2')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.06	--	1	01/29/21 08:00	01/29/21 17:38	EPA 3050B	97,6010D	BV
Arsenic, Total	2.81		mg/kg	0.412	--	1	01/29/21 08:00	01/29/21 17:38	EPA 3050B	97,6010D	BV
Barium, Total	16.0		mg/kg	0.412	--	1	01/29/21 08:00	01/29/21 17:38	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.206	--	1	01/29/21 08:00	01/29/21 17:38	EPA 3050B	97,6010D	BV
Cadmium, Total	0.470		mg/kg	0.412	--	1	01/29/21 08:00	01/29/21 17:38	EPA 3050B	97,6010D	BV
Chromium, Total	11.8		mg/kg	0.412	--	1	01/29/21 08:00	01/29/21 17:38	EPA 3050B	97,6010D	BV
Lead, Total	10.1		mg/kg	2.06	--	1	01/29/21 08:00	01/29/21 17:38	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.078	--	1	01/29/21 06:00	01/29/21 21:36	EPA 7471B	97,7471B	EW
Nickel, Total	10.4		mg/kg	1.03	--	1	01/29/21 08:00	01/29/21 17:38	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.06	--	1	01/29/21 08:00	01/29/21 17:38	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.412	--	1	01/29/21 08:00	01/29/21 17:38	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.06	--	1	01/29/21 08:00	01/29/21 17:38	EPA 3050B	97,6010D	BV
Vanadium, Total	15.0		mg/kg	0.412	--	1	01/29/21 08:00	01/29/21 17:38	EPA 3050B	97,6010D	BV
Zinc, Total	35.6		mg/kg	2.06	--	1	01/29/21 08:00	01/29/21 17:38	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-07

Date Collected: 01/25/21 09:00

Client ID: SS-120(1'-3')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.14	--	1	01/29/21 08:00	01/29/21 17:43	EPA 3050B	97,6010D	BV
Arsenic, Total	9.88		mg/kg	0.428	--	1	01/29/21 08:00	01/29/21 17:43	EPA 3050B	97,6010D	BV
Barium, Total	18.3		mg/kg	0.428	--	1	01/29/21 08:00	01/29/21 17:43	EPA 3050B	97,6010D	BV
Beryllium, Total	ND		mg/kg	0.214	--	1	01/29/21 08:00	01/29/21 17:43	EPA 3050B	97,6010D	BV
Cadmium, Total	0.544		mg/kg	0.428	--	1	01/29/21 08:00	01/29/21 17:43	EPA 3050B	97,6010D	BV
Chromium, Total	12.3		mg/kg	0.428	--	1	01/29/21 08:00	01/29/21 17:43	EPA 3050B	97,6010D	BV
Lead, Total	26.9		mg/kg	2.14	--	1	01/29/21 08:00	01/29/21 17:43	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.081	--	1	01/29/21 06:00	01/29/21 21:46	EPA 7471B	97,7471B	EW
Nickel, Total	16.2		mg/kg	1.07	--	1	01/29/21 08:00	01/29/21 17:43	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.14	--	1	01/29/21 08:00	01/29/21 17:43	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.428	--	1	01/29/21 08:00	01/29/21 17:43	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.14	--	1	01/29/21 08:00	01/29/21 17:43	EPA 3050B	97,6010D	BV
Vanadium, Total	22.1		mg/kg	0.428	--	1	01/29/21 08:00	01/29/21 17:43	EPA 3050B	97,6010D	BV
Zinc, Total	39.2		mg/kg	2.14	--	1	01/29/21 08:00	01/29/21 17:43	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-08

Date Collected: 01/25/21 08:03

Client ID: SS-123(1'-3')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.18	--	1	01/29/21 08:00	01/29/21 18:34	EPA 3050B	97,6010D	BV
Arsenic, Total	14.8		mg/kg	0.435	--	1	01/29/21 08:00	01/29/21 18:34	EPA 3050B	97,6010D	BV
Barium, Total	27.9		mg/kg	0.435	--	1	01/29/21 08:00	01/29/21 18:34	EPA 3050B	97,6010D	BV
Beryllium, Total	0.701		mg/kg	0.218	--	1	01/29/21 08:00	01/29/21 18:34	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.435	--	1	01/29/21 08:00	01/29/21 18:34	EPA 3050B	97,6010D	BV
Chromium, Total	8.58		mg/kg	0.435	--	1	01/29/21 08:00	01/29/21 18:34	EPA 3050B	97,6010D	BV
Lead, Total	23.4		mg/kg	2.18	--	1	01/29/21 08:00	01/29/21 18:34	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.082	--	1	01/29/21 06:00	01/29/21 21:49	EPA 7471B	97,7471B	EW
Nickel, Total	12.1		mg/kg	1.09	--	1	01/29/21 08:00	01/29/21 18:34	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.18	--	1	01/29/21 08:00	01/29/21 18:34	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.435	--	1	01/29/21 08:00	01/29/21 18:34	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.18	--	1	01/29/21 08:00	01/29/21 18:34	EPA 3050B	97,6010D	BV
Vanadium, Total	54.5		mg/kg	0.435	--	1	01/29/21 08:00	01/29/21 18:34	EPA 3050B	97,6010D	BV
Zinc, Total	39.7		mg/kg	2.18	--	1	01/29/21 08:00	01/29/21 18:34	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-09

Date Collected: 01/25/21 13:35

Client ID: SS-124(0-0.5')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.37	--	1	01/29/21 08:00	01/29/21 21:35	EPA 3050B	97,6010D	BV
Arsenic, Total	31.6		mg/kg	0.474	--	1	01/29/21 08:00	01/29/21 21:35	EPA 3050B	97,6010D	BV
Barium, Total	24.6		mg/kg	0.474	--	1	01/29/21 08:00	01/29/21 21:35	EPA 3050B	97,6010D	BV
Beryllium, Total	0.735		mg/kg	0.237	--	1	01/29/21 08:00	01/29/21 21:35	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.474	--	1	01/29/21 08:00	01/29/21 21:35	EPA 3050B	97,6010D	BV
Chromium, Total	10.1		mg/kg	0.474	--	1	01/29/21 08:00	01/29/21 21:35	EPA 3050B	97,6010D	BV
Lead, Total	26.3		mg/kg	2.37	--	1	01/29/21 08:00	01/29/21 21:35	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.090	--	1	01/29/21 06:00	01/29/21 21:52	EPA 7471B	97,7471B	EW
Nickel, Total	21.6		mg/kg	1.18	--	1	01/29/21 08:00	01/29/21 21:35	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.37	--	1	01/29/21 08:00	01/29/21 21:35	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.474	--	1	01/29/21 08:00	01/29/21 21:35	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.37	--	1	01/29/21 08:00	01/29/21 21:35	EPA 3050B	97,6010D	BV
Vanadium, Total	16.7		mg/kg	0.474	--	1	01/29/21 08:00	01/29/21 21:35	EPA 3050B	97,6010D	BV
Zinc, Total	32.2		mg/kg	2.37	--	1	01/29/21 08:00	01/29/21 21:35	EPA 3050B	97,6010D	BV





**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-10

Date Collected: 01/25/21 13:50

Client ID: SS-125(0-0.5')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 64%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	3.03	--	1	01/29/21 08:00	01/30/21 00:16	EPA 3050B	97,6010D	BV
Arsenic, Total	14.4		mg/kg	0.606	--	1	01/29/21 08:00	01/30/21 00:16	EPA 3050B	97,6010D	BV
Barium, Total	64.5		mg/kg	0.606	--	1	01/29/21 08:00	01/30/21 00:16	EPA 3050B	97,6010D	BV
Beryllium, Total	0.945		mg/kg	0.303	--	1	01/29/21 08:00	01/30/21 00:16	EPA 3050B	97,6010D	BV
Cadmium, Total	0.612		mg/kg	0.606	--	1	01/29/21 08:00	01/30/21 00:16	EPA 3050B	97,6010D	BV
Chromium, Total	9.43		mg/kg	0.606	--	1	01/29/21 08:00	01/30/21 00:16	EPA 3050B	97,6010D	BV
Lead, Total	130		mg/kg	3.03	--	1	01/29/21 08:00	01/30/21 00:16	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.113	--	1	01/29/21 06:00	01/29/21 21:56	EPA 7471B	97,7471B	EW
Nickel, Total	41.3		mg/kg	1.52	--	1	01/29/21 08:00	01/30/21 00:16	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	3.03	--	1	01/29/21 08:00	01/30/21 00:16	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.606	--	1	01/29/21 08:00	01/30/21 00:16	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	3.03	--	1	01/29/21 08:00	01/30/21 00:16	EPA 3050B	97,6010D	BV
Vanadium, Total	81.2		mg/kg	0.606	--	1	01/29/21 08:00	01/30/21 00:16	EPA 3050B	97,6010D	BV
Zinc, Total	89.9		mg/kg	3.03	--	1	01/29/21 08:00	01/30/21 00:16	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-11

Date Collected: 01/25/21 14:15

Client ID: SS-126(0-0.5')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.31	--	1	01/29/21 08:00	01/30/21 00:39	EPA 3050B	97,6010D	BV
Arsenic, Total	9.88		mg/kg	0.462	--	1	01/29/21 08:00	01/30/21 00:39	EPA 3050B	97,6010D	BV
Barium, Total	31.5		mg/kg	0.462	--	1	01/29/21 08:00	01/30/21 00:39	EPA 3050B	97,6010D	BV
Beryllium, Total	0.398		mg/kg	0.231	--	1	01/29/21 08:00	01/30/21 00:39	EPA 3050B	97,6010D	BV
Cadmium, Total	0.536		mg/kg	0.462	--	1	01/29/21 08:00	01/30/21 00:39	EPA 3050B	97,6010D	BV
Chromium, Total	9.50		mg/kg	0.462	--	1	01/29/21 08:00	01/30/21 00:39	EPA 3050B	97,6010D	BV
Lead, Total	58.4		mg/kg	2.31	--	1	01/29/21 08:00	01/30/21 00:39	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.086	--	1	01/29/21 06:00	01/29/21 21:59	EPA 7471B	97,7471B	EW
Nickel, Total	22.9		mg/kg	1.16	--	1	01/29/21 08:00	01/30/21 00:39	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.31	--	1	01/29/21 08:00	01/30/21 00:39	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.462	--	1	01/29/21 08:00	01/30/21 00:39	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.31	--	1	01/29/21 08:00	01/30/21 00:39	EPA 3050B	97,6010D	BV
Vanadium, Total	99.1		mg/kg	0.462	--	1	01/29/21 08:00	01/30/21 00:39	EPA 3050B	97,6010D	BV
Zinc, Total	52.1		mg/kg	2.31	--	1	01/29/21 08:00	01/30/21 00:39	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-12

Date Collected: 01/19/21 14:30

Client ID: SS-114(1-3')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.33	--	1	01/29/21 08:00	01/30/21 00:44	EPA 3050B	97,6010D	BV
Arsenic, Total	17.3		mg/kg	0.466	--	1	01/29/21 08:00	01/30/21 00:44	EPA 3050B	97,6010D	BV
Barium, Total	17.6		mg/kg	0.466	--	1	01/29/21 08:00	01/30/21 00:44	EPA 3050B	97,6010D	BV
Beryllium, Total	0.517		mg/kg	0.233	--	1	01/29/21 08:00	01/30/21 00:44	EPA 3050B	97,6010D	BV
Cadmium, Total	0.494		mg/kg	0.466	--	1	01/29/21 08:00	01/30/21 00:44	EPA 3050B	97,6010D	BV
Chromium, Total	40.7		mg/kg	0.466	--	1	01/29/21 08:00	01/30/21 00:44	EPA 3050B	97,6010D	BV
Lead, Total	40.3		mg/kg	2.33	--	1	01/29/21 08:00	01/30/21 00:44	EPA 3050B	97,6010D	BV
Mercury, Total	0.093		mg/kg	0.089	--	1	01/29/21 06:00	01/29/21 22:02	EPA 7471B	97,7471B	EW
Nickel, Total	107		mg/kg	1.16	--	1	01/29/21 08:00	01/30/21 00:44	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.33	--	1	01/29/21 08:00	01/30/21 00:44	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.466	--	1	01/29/21 08:00	01/30/21 00:44	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.33	--	1	01/29/21 08:00	01/30/21 00:44	EPA 3050B	97,6010D	BV
Vanadium, Total	317		mg/kg	0.466	--	1	01/29/21 08:00	01/30/21 00:44	EPA 3050B	97,6010D	BV
Zinc, Total	60.3		mg/kg	2.33	--	1	01/29/21 08:00	01/30/21 00:44	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-13

Date Collected: 01/26/21 11:00

Client ID: B-606(6'-8')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.17	--	1	01/29/21 08:00	01/30/21 00:48	EPA 3050B	97,6010D	BV
Arsenic, Total	34.5		mg/kg	0.434	--	1	01/29/21 08:00	01/30/21 00:48	EPA 3050B	97,6010D	BV
Barium, Total	73.2		mg/kg	0.434	--	1	01/29/21 08:00	01/30/21 00:48	EPA 3050B	97,6010D	BV
Beryllium, Total	0.695		mg/kg	0.217	--	1	01/29/21 08:00	01/30/21 00:48	EPA 3050B	97,6010D	BV
Cadmium, Total	ND		mg/kg	0.434	--	1	01/29/21 08:00	01/30/21 00:48	EPA 3050B	97,6010D	BV
Chromium, Total	13.1		mg/kg	0.434	--	1	01/29/21 08:00	01/30/21 00:48	EPA 3050B	97,6010D	BV
Lead, Total	15.7		mg/kg	2.17	--	1	01/29/21 08:00	01/30/21 00:48	EPA 3050B	97,6010D	BV
Mercury, Total	ND		mg/kg	0.083	--	1	01/29/21 06:00	01/29/21 22:06	EPA 7471B	97,7471B	EW
Nickel, Total	14.7		mg/kg	1.09	--	1	01/29/21 08:00	01/30/21 00:48	EPA 3050B	97,6010D	BV
Selenium, Total	ND		mg/kg	2.17	--	1	01/29/21 08:00	01/30/21 00:48	EPA 3050B	97,6010D	BV
Silver, Total	ND		mg/kg	0.434	--	1	01/29/21 08:00	01/30/21 00:48	EPA 3050B	97,6010D	BV
Thallium, Total	ND		mg/kg	2.17	--	1	01/29/21 08:00	01/30/21 00:48	EPA 3050B	97,6010D	BV
Vanadium, Total	50.8		mg/kg	0.434	--	1	01/29/21 08:00	01/30/21 00:48	EPA 3050B	97,6010D	BV
Zinc, Total	31.3		mg/kg	2.17	--	1	01/29/21 08:00	01/30/21 00:48	EPA 3050B	97,6010D	BV



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2103973**Project Number:** 414883**Report Date:** 02/04/21**SAMPLE RESULTS**

Lab ID: L2103973-14

Date Collected: 01/26/21 11:05

Client ID: B-606(8'-10')

Date Received: 01/26/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	11.8	--	5	01/29/21 08:00	02/01/21 12:29	EPA 3050B	97,6010D	GD
Arsenic, Total	110		mg/kg	2.36	--	5	01/29/21 08:00	02/01/21 12:29	EPA 3050B	97,6010D	GD
Barium, Total	255		mg/kg	2.36	--	5	01/29/21 08:00	02/01/21 12:29	EPA 3050B	97,6010D	GD
Beryllium, Total	3.16		mg/kg	1.18	--	5	01/29/21 08:00	02/01/21 12:29	EPA 3050B	97,6010D	GD
Cadmium, Total	ND		mg/kg	2.36	--	5	01/29/21 08:00	02/01/21 12:29	EPA 3050B	97,6010D	GD
Chromium, Total	26.2		mg/kg	2.36	--	5	01/29/21 08:00	02/01/21 12:29	EPA 3050B	97,6010D	GD
Lead, Total	20.8		mg/kg	11.8	--	5	01/29/21 08:00	02/01/21 12:29	EPA 3050B	97,6010D	GD
Mercury, Total	0.142		mg/kg	0.090	--	1	01/29/21 06:00	01/29/21 22:09	EPA 7471B	97,7471B	EW
Nickel, Total	29.1		mg/kg	5.89	--	5	01/29/21 08:00	02/01/21 12:29	EPA 3050B	97,6010D	GD
Selenium, Total	ND		mg/kg	11.8	--	5	01/29/21 08:00	02/01/21 12:29	EPA 3050B	97,6010D	GD
Silver, Total	ND		mg/kg	2.36	--	5	01/29/21 08:00	02/01/21 12:29	EPA 3050B	97,6010D	GD
Thallium, Total	ND		mg/kg	11.8	--	5	01/29/21 08:00	02/01/21 12:29	EPA 3050B	97,6010D	GD
Vanadium, Total	111		mg/kg	2.36	--	5	01/29/21 08:00	02/01/21 12:29	EPA 3050B	97,6010D	GD
Zinc, Total	45.3		mg/kg	11.8	--	5	01/29/21 08:00	02/01/21 12:29	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-14 Batch: WG1459204-1									
Antimony, Total	ND	mg/kg	2.00	--	1	01/29/21 08:00	01/29/21 17:02	97,6010D	BV
Arsenic, Total	ND	mg/kg	0.400	--	1	01/29/21 08:00	01/29/21 17:02	97,6010D	BV
Barium, Total	ND	mg/kg	0.400	--	1	01/29/21 08:00	01/29/21 17:02	97,6010D	BV
Beryllium, Total	ND	mg/kg	0.200	--	1	01/29/21 08:00	01/29/21 17:02	97,6010D	BV
Cadmium, Total	ND	mg/kg	0.400	--	1	01/29/21 08:00	01/29/21 17:02	97,6010D	BV
Chromium, Total	ND	mg/kg	0.400	--	1	01/29/21 08:00	01/29/21 17:02	97,6010D	BV
Lead, Total	ND	mg/kg	2.00	--	1	01/29/21 08:00	01/29/21 17:02	97,6010D	BV
Nickel, Total	ND	mg/kg	1.00	--	1	01/29/21 08:00	01/29/21 17:02	97,6010D	BV
Selenium, Total	ND	mg/kg	2.00	--	1	01/29/21 08:00	01/29/21 17:02	97,6010D	BV
Silver, Total	ND	mg/kg	0.400	--	1	01/29/21 08:00	01/29/21 17:02	97,6010D	BV
Thallium, Total	ND	mg/kg	2.00	--	1	01/29/21 08:00	01/29/21 17:02	97,6010D	BV
Vanadium, Total	ND	mg/kg	0.400	--	1	01/29/21 08:00	01/29/21 17:02	97,6010D	BV
Zinc, Total	ND	mg/kg	2.00	--	1	01/29/21 08:00	01/29/21 17:02	97,6010D	BV

### Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-14 Batch: WG1459205-1									
Mercury, Total	ND	mg/kg	0.083	--	1	01/29/21 06:00	01/29/21 20:59	97,7471B	EW

### Prep Information

Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Total Metals - Mansfield Lab Associated sample(s): 01-14 Batch: WG1459204-2 WG1459204-3 SRM Lot Number: D109-540								
Antimony, Total	144		151		19-250	5		30
Arsenic, Total	90		96		70-130	6		30
Barium, Total	84		90		75-125	7		30
Beryllium, Total	85		93		75-125	9		30
Cadmium, Total	83		93		75-125	11		30
Chromium, Total	84		91		70-130	8		30
Lead, Total	85		89		72-128	5		30
Nickel, Total	86		94		70-130	9		30
Selenium, Total	88		95		68-132	8		30
Silver, Total	85		90		68-131	6		30
Thallium, Total	86		93		68-131	8		30
Vanadium, Total	88		93		59-141	6		30
Zinc, Total	89		92		70-130	3		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-14 Batch: WG1459205-2 WG1459205-3 SRM Lot Number: D109-540								
Mercury, Total	92		97		60-140	5		30



# **INORGANICS & MISCELLANEOUS**



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

### SAMPLE RESULTS

**Lab ID:** L2103973-01  
**Client ID:** SS-104(1'-3')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/25/21 13:15  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.3		%	0.100	NA	1	-	01/27/21 13:20	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

**Lab ID:** L2103973-02  
**Client ID:** SS-106(1'-2.9')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/25/21 11:55  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.8		%	0.100	NA	1	-	01/27/21 13:20	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

**Lab ID:** L2103973-03  
**Client ID:** SS-108(0-1')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/25/21 11:20  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	93.7		%	0.100	NA	1	-	01/27/21 13:20	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

**Lab ID:** L2103973-04  
**Client ID:** SS-108(1'-3)  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/25/21 11:25  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	90.3		%	0.100	NA	1	-	01/27/21 13:20	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

### SAMPLE RESULTS

**Lab ID:** L2103973-05  
**Client ID:** SS-116(1'-3')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/25/21 10:45  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	81.5		%	0.100	NA	1	-	01/27/21 13:20	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

**Lab ID:** L2103973-06  
**Client ID:** SS-119(1'-2')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/25/21 09:40  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	93.8		%	0.100	NA	1	-	01/27/21 13:20	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

### SAMPLE RESULTS

**Lab ID:** L2103973-07  
**Client ID:** SS-120(1'-3')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/25/21 09:00  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	90.9		%	0.100	NA	1	-	01/27/21 13:20	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

**Lab ID:** L2103973-08  
**Client ID:** SS-123(1'-3')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/25/21 08:03  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.7		%	0.100	NA	1	-	01/27/21 13:20	121,2540G	RI





**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

**Lab ID:** L2103973-09  
**Client ID:** SS-124(0-0.5')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/25/21 13:35  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.4		%	0.100	NA	1	-	01/27/21 13:20	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

**Lab ID:** L2103973-10  
**Client ID:** SS-125(0-0.5')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/25/21 13:50  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	64.3		%	0.100	NA	1	-	01/27/21 13:20	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

**Lab ID:** L2103973-11  
**Client ID:** SS-126(0-0.5')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/25/21 14:15  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.8		%	0.100	NA	1	-	01/27/21 13:20	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

**Lab ID:** L2103973-12  
**Client ID:** SS-114(1-3')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/19/21 14:30  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	81.7		%	0.100	NA	1	-	01/27/21 13:20	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

**Lab ID:** L2103973-13  
**Client ID:** B-606(6'-8')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/26/21 11:00  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.2		%	0.100	NA	1	-	01/27/21 13:20	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**SAMPLE RESULTS**

**Lab ID:** L2103973-14  
**Client ID:** B-606(8'-10')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 01/26/21 11:05  
**Date Received:** 01/26/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.3		%	0.100	NA	1	-	01/27/21 13:20	121,2540G	RI



## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR

**Project Number:** 414883

**Lab Number:** L2103973

**Report Date:** 02/04/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG1459075-1 QC Sample: L2103973-01 Client ID: SS-104(1'-3')						
Solids, Total	87.3	86.9	%	0		20

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Serial\_No:**02042116:25  
**Lab Number:** L2103973  
**Report Date:** 02/04/21

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

**Cooler**                      **Custody Seal**  
A                                      Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2103973-01A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2103973-01B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2103973-02A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2103973-02B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2103973-03A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2103973-03B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2103973-04A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2103973-04B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)

\*Values in parentheses indicate holding time in days





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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2103973-05A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2103973-05B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2103973-06A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2103973-06B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2103973-07A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2103973-07B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2103973-08A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2103973-08B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2103973-09A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2103973-09B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)

\*Values in parentheses indicate holding time in days



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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2103973-10A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2103973-10B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2103973-11A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2103973-11B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2103973-12A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2103973-12B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2103973-13A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2103973-13B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2103973-14A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180)
L2103973-14B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)

\*Values in parentheses indicate holding time in days



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## GLOSSARY

### Acronyms

DL	- 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

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#### 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

**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.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**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.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- 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).
- 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.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- 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.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



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**Data Qualifiers**

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.

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## REFERENCES

- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 135 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, December 2019, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, March 1, 2020.

## 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

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

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**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.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

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The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** 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 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.

**SM2340B**

---

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



# CHAIN OF CUSTODY

PAGE 1 OF 2

## Project Information

Project Name: Enbridge King's Cove Park

Project Location: Bridge Street, Weymouth, MA

Project #: 414883

Project Manager: Jim Doherty

ALPHA Quote #:

## Turn-Around Time

Standard  Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Other Project Specific Requirements/Comments/Detection Limits:

Send questions to jstapleton@trccompanies.com

Westborough, MA    Mansfield, MA  
 TEL: 508-898-9220    TEL: 508-822-9300  
 FAX: 508-898-9193    FAX: 508-822-3288

## Client Information

Client: TRC  
 Address: 650 Suffolk Street  
 Lowell, MA 01854

Phone: 978-970-5600

Fax:  Standard  Rush (ONLY IF PRE-APPROVED)

Email: jdoherly@trccompanies.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Send questions to jstapleton@trccompanies.com

Date Rec'd in Lab: 1/26/21

ALPHA Job #: L21 039 73

## Report Information Data Deliverables

FAX  EMAIL  
 ADEx  Add'l Deliverables

## Billing Information

Same as Client info PO #: 159499

## Regulatory Requirements/Report Limits

State/Fed Program: MCP Criteria: S-1

## ANALYSIS

MCP 14 Metals	EPH Targets & Fracs														
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SAMPLE HANDLING  
 Filtration  
 Done  
 Not Needed  
 Lab to do  
 Preservation  
 Lab to do  
 (Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials																
		Date	Time																		
03973-01	SS-104 (1'-3')	01/25/21	1315	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-02	SS-106 (1'-3')	01/25/21	1155	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-03	SS-108 (0-1')	01/25/21	1120	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-04	SS-108 (1'-3')	01/25/21	1125	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-05	SS-116 (1'-3')	01/25/21	1045	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-06	SS-119 (1'-3')	01/25/21	0940	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-07	SS-120 (1'-3')	01/25/21	0900	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-08	SS-123 (1'-3')	01/25/21	0803	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-09	SS-124 (0-0.5')	01/25/21	1335	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
-10	SS-125 (0-0.5')	01/25/21	1350	Soil	JPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2

Container Type: - - - - -  
 Preservative: - - - - -

Relinquished By: <i>Jamie Stapleton</i>	Date/Time: 1/26/21 1330	Received By: <i>[Signature]</i>	Date/Time: 1/26/21 1330
	1/26/21 1600	<i>[Signature]</i>	1/26/21 1600

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

FORM NO 01-01(NJ)  
 Rev. 5-2011-12





# CHAIN OF CUSTODY

PAGE 2 OF 2

Westborough, MA    Mansfield, MA  
 TEL 508-896-9220    TEL 508-822-9300  
 FAX 508-896-9193    FAX 508-822-3266

## Client Information

Client: TRC  
 Address: 650 Suffolk Street  
 Lowell, MA 01854  
 Phone: 978-970-5600

Fax:  Standard     Rush (ONLY IF PRE-APPROVED)  
 Email: [jdoherly@trccompanies.com](mailto:jdoherly@trccompanies.com)  
 These samples have been Previously analyzed by Alpha    Due Date:    Time:  
 Other Project Specific Requirements/Comments/Detection Limits:  
 Send questions to [jstapleton@trccompanies.com](mailto:jstapleton@trccompanies.com)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
03973-11	SS-126 (0-0.5')	01/25/21	1415	Soil	JPS
-12	SS-114 (1-3')	1/19/21	1430	Soil	JPS
-13	B-606 (6-8')	1/26/21	1100	Soil	JPS
-14	B-606 (8-10')	1/26/21	1105	Soil	JPS

## Project Information

Project Name: Enbridge King's Cove Park  
 Project Location: Bridge Street, Weymouth, MA  
 Project #: 414883  
 Project Manager: Jim Doherty  
 ALPHA Quote #:

## Turn-Around Time

Date Rec'd in Lab: 1/26/21    ALPHA Job #: 2 L2103973

Report Information	Data Deliverables	Billing Information
<input type="checkbox"/> FAX	<input checked="" type="checkbox"/> EMAIL	<input type="checkbox"/> Same as Client info    PO #: 159499
<input type="checkbox"/> ADEx	<input type="checkbox"/> Add'l Deliverables	

## Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MCP	S-1

ANALYSIS														SAMPLE HANDLING	TOTAL # BOTTLES									
MCP 14 Metals	EPH Targets & Fracs															Filtration	Preservation							
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Done	<input type="checkbox"/> Lab to do	2								
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Lab to do	(Please specify below)			2						
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						2					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							2				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								2			
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Container Type	-	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-
Relinquished By:	Date/Time	Received By:	Date/Time										
<i>Jamie Stapleton</i>	1/26/21 1330	<i>[Signature]</i>	1/26/21 1330										
<i>[Signature]</i>	1/26/21 1600	<i>[Signature]</i>	1/26/21 1600										

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



## ANALYTICAL REPORT

Lab Number:	L2105130
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Matt Oliveira
Phone:	(978) 656-3600
Project Name:	ENBRIDGE WEYMOUTH COMPRESSOR
Project Number:	414883
Report Date:	02/05/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

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



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2105130-01	SS-128 (0-1)	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	02/01/21 11:01	02/03/21
L2105130-02	SS-129 (0-1)	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	02/01/21 11:02	02/03/21
L2105130-03	SS-130 (0-1)	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	02/01/21 11:03	02/03/21
L2105130-04	SS-131 (0-1)	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	02/01/21 11:04	02/03/21
L2105130-05	SS-136 (0-1)	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	02/03/21 09:30	02/03/21
L2105130-06	SS-145 (0-1)	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	02/03/21 09:20	02/03/21
L2105130-07	SS-154 (0-1)	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	02/03/21 09:31	02/03/21
L2105130-08	DUP 12	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	02/03/21 10:30	02/03/21

Project Name: ENBRIDGE WEYMOUTH COMPRESSOR

Lab Number: L2105130

Project Number: 414883

Report Date: 02/05/21

**MADEP MCP Response Action Analytical Report Certification**

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

<b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b>		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES
<b>A response to questions G, H and I is required for "Presumptive Certainty" status</b>		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	YES
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO
<b>For any questions answered "No", please refer to the case narrative section on the following page(s).</b>		

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



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

### 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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

**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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

---

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

### Case Narrative (continued)

#### MCP Related Narratives

##### Sample Receipt

L2105130-05: The collection date and time on the chain of custody was 03-FEB-21 09:30; however, the collection date/time on the container label was 03-FEB-21 11:30. At the client's request, the collection date/time is reported as 03-FEB-21 09:30.

L2105130-06: The collection date and time on the chain of custody was 03-FEB-21 09:20; however, the collection date/time on the container label was 03-FEB-21 12:00. At the client's request, the collection date/time is reported as 03-FEB-21 09:20.

L2105130-07: The collection date and time on the chain of custody was 03-FEB-21 09:31; however, the collection date/time on the container label was 03-FEB-21 12:30. At the client's request, the collection date/time is reported as 03-FEB-21 09:31.

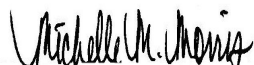
#### Total Metals

In reference to question I:

All samples were analyzed for a subset of MCP analytes per client request.

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: 02/05/21

## QC OUTLIER SUMMARY REPORT

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
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There are no QC Outliers associated with this report.

## METALS



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

Lab ID: L2105130-01  
 Client ID: SS-128 (0-1)  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 02/01/21 11:01  
 Date Received: 02/03/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Arsenic, Total	14.8		mg/kg	0.480	--	1	02/04/21 04:52	02/04/21 18:59	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

Lab ID: L2105130-02  
 Client ID: SS-129 (0-1)  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 02/01/21 11:02  
 Date Received: 02/03/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Arsenic, Total	21.5		mg/kg	0.484	--	1	02/04/21 04:52	02/04/21 19:04	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

Lab ID: L2105130-03  
 Client ID: SS-130 (0-1)  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 02/01/21 11:03  
 Date Received: 02/03/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Arsenic, Total	5.83		mg/kg	0.449	--	1	02/04/21 04:52	02/04/21 19:08	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

Lab ID: L2105130-04  
 Client ID: SS-131 (0-1)  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 02/01/21 11:04  
 Date Received: 02/03/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Arsenic, Total	6.87		mg/kg	0.448	--	1	02/04/21 04:52	02/04/21 17:56	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

Lab ID: L2105130-05  
 Client ID: SS-136 (0-1)  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 02/03/21 09:30  
 Date Received: 02/03/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Arsenic, Total	2.56		mg/kg	0.487	--	1	02/04/21 04:52	02/04/21 19:13	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

Lab ID: L2105130-06  
 Client ID: SS-145 (0-1)  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 02/03/21 09:20  
 Date Received: 02/03/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Arsenic, Total	19.3		mg/kg	0.497	--	1	02/04/21 04:52	02/04/21 19:17	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

Lab ID: L2105130-07  
 Client ID: SS-154 (0-1)  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 02/03/21 09:31  
 Date Received: 02/03/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Arsenic, Total	9.45		mg/kg	0.558	--	1	02/04/21 04:52	02/04/21 19:31	EPA 3050B	97,6010D	GD



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

Lab ID: L2105130-08  
 Client ID: DUP 12  
 Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Date Collected: 02/03/21 10:30  
 Date Received: 02/03/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Arsenic, Total	3.04		mg/kg	0.472	--	1	02/04/21 04:52	02/04/21 18:23	EPA 3050B	97,6010D	GD





Project Name: ENBRIDGE WEYMOUTH COMPRESSOR

Lab Number: L2105130

Project Number: 414883

Report Date: 02/05/21

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1461494-1									
Arsenic, Total	ND	mg/kg	0.400	--	1	02/04/21 04:52	02/04/21 17:43	97,6010D	GD

### Prep Information

Digestion Method: EPA 3050B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1461494-2 WG1461494-3 SRM Lot Number: D109-540								
Arsenic, Total	98		104		70-130	6		30

### Matrix Spike Analysis Batch Quality Control

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1461494-4 WG1461494-5 QC Sample: L2105130-04 Client ID: SS-131 (0-1)												
Arsenic, Total	6.87	11	19.9	118		18.6	105		75-125	7		35
MCP Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1461494-7 WG1461494-8 QC Sample: L2105130-08 Client ID: DUP 12												
Arsenic, Total	3.04	11.6	15.9	111		15.2	104		75-125	5		35

# **INORGANICS & MISCELLANEOUS**

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

**Lab ID:** L2105130-01  
**Client ID:** SS-128 (0-1)  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/01/21 11:01  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	82.1		%	0.100	NA	1	-	02/03/21 18:41	121,2540G	SB



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

**Lab ID:** L2105130-02  
**Client ID:** SS-129 (0-1)  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/01/21 11:02  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.4		%	0.100	NA	1	-	02/03/21 18:41	121,2540G	SB



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

**Lab ID:** L2105130-03  
**Client ID:** SS-130 (0-1)  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/01/21 11:03  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.4		%	0.100	NA	1	-	02/03/21 18:41	121,2540G	SB



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

**Lab ID:** L2105130-04  
**Client ID:** SS-131 (0-1)  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/01/21 11:04  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.6		%	0.100	NA	1	-	02/03/21 18:41	121,2540G	SB





**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

**Lab ID:** L2105130-05  
**Client ID:** SS-136 (0-1)  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/03/21 09:30  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	79.8		%	0.100	NA	1	-	02/03/21 18:41	121,2540G	SB



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

**Lab ID:** L2105130-06  
**Client ID:** SS-145 (0-1)  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/03/21 09:20  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	79.3		%	0.100	NA	1	-	02/03/21 18:41	121,2540G	SB



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

**Lab ID:** L2105130-07  
**Client ID:** SS-154 (0-1)  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/03/21 09:31  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	71.0		%	0.100	NA	1	-	02/03/21 18:41	121,2540G	SB



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**SAMPLE RESULTS**

**Lab ID:** L2105130-08  
**Client ID:** DUP 12  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/03/21 10:30  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	81.4		%	0.100	NA	1	-	02/03/21 18:41	121,2540G	SB



## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1461423-1 QC Sample: L2105130-04 Client ID: SS-131 (0-1)						
Solids, Total	83.6	82.5	%	1		20

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2105130**Project Number:** 414883**Report Date:** 02/05/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2105130-01A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-AS-6010T-10(180)
L2105130-01B	Glass 60ml unpreserved split	A	NA		2.7	Y	Absent		TS(7)
L2105130-02A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-AS-6010T-10(180)
L2105130-02B	Glass 60ml unpreserved split	A	NA		2.7	Y	Absent		TS(7)
L2105130-03A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-AS-6010T-10(180)
L2105130-03B	Glass 60ml unpreserved split	A	NA		2.7	Y	Absent		TS(7)
L2105130-04A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-AS-6010T-10(180)
L2105130-04B	Glass 60ml unpreserved split	A	NA		2.7	Y	Absent		TS(7)
L2105130-05A	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		MCP-AS-6010T-10(180)
L2105130-05B	Glass 60ml unpreserved split	A	NA		2.7	Y	Absent		TS(7)
L2105130-06A	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		MCP-AS-6010T-10(180)
L2105130-06B	Glass 60ml unpreserved split	A	NA		2.7	Y	Absent		TS(7)
L2105130-07A	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		MCP-AS-6010T-10(180)
L2105130-07B	Glass 60ml unpreserved split	A	NA		2.7	Y	Absent		TS(7)
L2105130-08A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		MCP-AS-6010T-10(180)
L2105130-08B	Glass 60ml unpreserved split	A	NA		2.7	Y	Absent		TS(7)

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

## GLOSSARY

### Acronyms

DL	- 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

Report Format: Data Usability Report



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

#### 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

**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.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**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.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- 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).
- 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.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- 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.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report





**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

**Data Qualifiers**

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.

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105130  
**Report Date:** 02/05/21

## REFERENCES

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

## 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 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**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.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** 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 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.

**SM2340B**

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





## ANALYTICAL REPORT

Lab Number:	L2105133
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Matt Oliveira
Phone:	(978) 656-3600
Project Name:	ENBRIDGE WEYMOUTH COMPRESSOR
Project Number:	414883
Report Date:	02/11/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2105133-01	B-603 (5-6')	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	02/01/21 10:00	02/03/21
L2105133-02	B-603-R-(0-1)	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	02/03/21 09:00	02/03/21
L2105133-03	B-603-R-(1-3)	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	02/03/21 09:15	02/03/21
L2105133-04	B-603-R-(3-5)	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	02/03/21 09:30	02/03/21
L2105133-05	DUP 13	SOIL	6 BRIDGE STREET, WEYMOUTH, MA	02/03/21 10:15	02/03/21

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

### MADEP MCP Response Action Analytical Report Certification

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

<b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b>		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	YES
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES
<b>A response to questions G, H and I is required for "Presumptive Certainty" status</b>		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES
<b>For any questions answered "No", please refer to the case narrative section on the following page(s).</b>		

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



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

### 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 NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. 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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

**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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

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**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

### Case Narrative (continued)

#### Report Submission

February 11, 2021: This final report includes the results of all requested analyses.

February 09, 2021: This preliminary report includes the results of the Total Mercury analysis performed on L2105133-01 through -05.

February 09, 2021: This is a preliminary report.

#### MCP Related Narratives

##### Total Metals

In reference to question H:

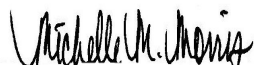
The WG1461694-4/-5 MS/MSD recoveries, performed on L2105133-04, are outside the acceptance criteria for antimony (48%/50%), barium (54%/58%), beryllium (56%/59%), cadmium (62%/64%), chromium (54%/56%), lead (52%/54%), nickel (49%/51%), selenium (50%/51%), silver (52%/53%), thallium (43%/43%), vanadium (61%/65%), and zinc (55%/59%). Re-analysis of the MS/MSD yielded unacceptable recoveries in the range of 30-74% or >125%. The LCS recoveries are acceptable; therefore, no further action was taken.

The WG1461695-4/-5 MS/MSD recoveries, performed on L2105133-04, are outside the acceptance criteria for mercury (157%/169%). Re-analysis of the MS/MSD yielded unacceptable recoveries for mercury in the range of 30-74% or >125%. The LCS recovery is acceptable; therefore, no further action was taken.

The WG1461694-6 serial dilution analysis, associated with L2105133-04, had a %D above the acceptance criteria for arsenic (46%), barium (37%), chromium (43%), and vanadium (42%).

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: 02/11/21

## QC OUTLIER SUMMARY REPORT

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
MCP Total Metals - Mansfield Lab								
6010D	Batch QC (L2105133-04)	WG1461694-4	Antimony, Total	MS	48	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-4	Barium, Total	MS	54	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-4	Beryllium, Total	MS	56	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-4	Cadmium, Total	MS	62	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-4	Chromium, Total	MS	54	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-4	Lead, Total	MS	52	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-4	Nickel, Total	MS	49	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-4	Selenium, Total	MS	50	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-4	Silver, Total	MS	52	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-4	Thallium, Total	MS	43	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-4	Vanadium, Total	MS	61	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-4	Zinc, Total	MS	55	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-5	Antimony, Total	MSD	50	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-5	Barium, Total	MSD	58	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-5	Beryllium, Total	MSD	59	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-5	Cadmium, Total	MSD	64	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-5	Chromium, Total	MSD	56	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-5	Lead, Total	MSD	54	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-5	Nickel, Total	MSD	51	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-5	Selenium, Total	MSD	51	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-5	Silver, Total	MSD	53	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-5	Thallium, Total	MSD	43	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-5	Vanadium, Total	MSD	65	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-5	Zinc, Total	MSD	59	75-125	01-05	potential low bias
6010D	Batch QC (L2105133-04)	WG1461694-6	Arsenic, Total	SERDIL	46	20	01-05	non-directional bias
6010D	Batch QC (L2105133-04)	WG1461694-6	Barium, Total	SERDIL	37	20	01-05	non-directional bias
6010D	Batch QC (L2105133-04)	WG1461694-6	Chromium, Total	SERDIL	43	20	01-05	non-directional bias
6010D	Batch QC (L2105133-04)	WG1461694-6	Vanadium, Total	SERDIL	42	20	01-05	non-directional bias
7471B	Batch QC (L2105133-04)	WG1461695-4	Mercury, Total	MS	157	75-125	01-05	potential high bias

**QC OUTLIER SUMMARY REPORT****Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2105133**Project Number:** 414883**Report Date:** 02/11/21

Method	Client ID (Native ID)	Lab ID	Parameter	QC Type	Recovery/RPD (%)	QC Limits (%)	Associated Samples	Data Quality Assessment
7471B	Batch QC (L2105133-04)	WG1461695-5	Mercury, Total	MSD	169	75-125	01-05	potential high bias

# ORGANICS

# PETROLEUM HYDROCARBONS

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

**SAMPLE RESULTS**

**Lab ID:** L2105133-01  
**Client ID:** B-603 (5-6')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/01/21 10:00  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 135,EPH-19-2.1  
**Analytical Date:** 02/08/21 05:42  
**Analyst:** MEO  
**Percent Solids:** 80%

**Extraction Method:** EPA 3546  
**Extraction Date:** 02/05/21 22:19  
**Cleanup Method1:** EPH-04-1  
**Cleanup Date1:** 02/07/21

**Quality Control Information**

**Condition of sample received:** Satisfactory  
**Sample Temperature upon receipt:** Received on Ice  
**Sample Extraction method:** Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.90	--	1
C19-C36 Aliphatics	ND		mg/kg	7.90	--	1
C11-C22 Aromatics	20.2		mg/kg	7.90	--	1
C11-C22 Aromatics, Adjusted	20.2		mg/kg	7.90	--	1
Naphthalene	ND		mg/kg	0.395	--	1
2-Methylnaphthalene	ND		mg/kg	0.395	--	1
Acenaphthylene	ND		mg/kg	0.395	--	1
Acenaphthene	ND		mg/kg	0.395	--	1
Fluorene	ND		mg/kg	0.395	--	1
Phenanthrene	ND		mg/kg	0.395	--	1
Anthracene	ND		mg/kg	0.395	--	1
Fluoranthene	ND		mg/kg	0.395	--	1
Pyrene	ND		mg/kg	0.395	--	1
Benzo(a)anthracene	ND		mg/kg	0.395	--	1
Chrysene	ND		mg/kg	0.395	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.395	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.395	--	1
Benzo(a)pyrene	ND		mg/kg	0.395	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.395	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.395	--	1
Benzo(ghi)perylene	ND		mg/kg	0.395	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2105133**Project Number:** 414883**Report Date:** 02/11/21**SAMPLE RESULTS**

Lab ID: L2105133-01

Date Collected: 02/01/21 10:00

Client ID: B-603 (5-6')

Date Received: 02/03/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	61		40-140
o-Terphenyl	57		40-140
2-Fluorobiphenyl	71		40-140
2-Bromonaphthalene	70		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

**SAMPLE RESULTS**

**Lab ID:** L2105133-02  
**Client ID:** B-603-R-(0-1)  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/03/21 09:00  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 135,EPH-19-2.1  
**Analytical Date:** 02/08/21 06:16  
**Analyst:** MEO  
**Percent Solids:** 85%

**Extraction Method:** EPA 3546  
**Extraction Date:** 02/05/21 22:19  
**Cleanup Method1:** EPH-04-1  
**Cleanup Date1:** 02/07/21

**Quality Control Information**

**Condition of sample received:** Satisfactory  
**Sample Temperature upon receipt:** Received on Ice  
**Sample Extraction method:** Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.83	--	1
C19-C36 Aliphatics	ND		mg/kg	7.83	--	1
C11-C22 Aromatics	20.3		mg/kg	7.83	--	1
C11-C22 Aromatics, Adjusted	18.0		mg/kg	7.83	--	1
Naphthalene	ND		mg/kg	0.391	--	1
2-Methylnaphthalene	ND		mg/kg	0.391	--	1
Acenaphthylene	ND		mg/kg	0.391	--	1
Acenaphthene	ND		mg/kg	0.391	--	1
Fluorene	ND		mg/kg	0.391	--	1
Phenanthrene	0.395		mg/kg	0.391	--	1
Anthracene	ND		mg/kg	0.391	--	1
Fluoranthene	0.619		mg/kg	0.391	--	1
Pyrene	0.647		mg/kg	0.391	--	1
Benzo(a)anthracene	ND		mg/kg	0.391	--	1
Chrysene	ND		mg/kg	0.391	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.391	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.391	--	1
Benzo(a)pyrene	0.604		mg/kg	0.391	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.391	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.391	--	1
Benzo(ghi)perylene	ND		mg/kg	0.391	--	1



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2105133**Project Number:** 414883**Report Date:** 02/11/21**SAMPLE RESULTS**

Lab ID: L2105133-02

Date Collected: 02/03/21 09:00

Client ID: B-603-R-(0-1)

Date Received: 02/03/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	59		40-140
o-Terphenyl	68		40-140
2-Fluorobiphenyl	86		40-140
2-Bromonaphthalene	89		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

**SAMPLE RESULTS**

**Lab ID:** L2105133-03  
**Client ID:** B-603-R-(1-3)  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/03/21 09:15  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 135,EPH-19-2.1  
**Analytical Date:** 02/08/21 06:51  
**Analyst:** MEO  
**Percent Solids:** 83%

**Extraction Method:** EPA 3546  
**Extraction Date:** 02/05/21 22:19  
**Cleanup Method1:** EPH-04-1  
**Cleanup Date1:** 02/07/21

**Quality Control Information**

**Condition of sample received:** Satisfactory  
**Sample Temperature upon receipt:** Received on Ice  
**Sample Extraction method:** Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.59	--	1
C19-C36 Aliphatics	ND		mg/kg	7.59	--	1
C11-C22 Aromatics	17.8		mg/kg	7.59	--	1
C11-C22 Aromatics, Adjusted	17.8		mg/kg	7.59	--	1
Naphthalene	ND		mg/kg	0.379	--	1
2-Methylnaphthalene	ND		mg/kg	0.379	--	1
Acenaphthylene	ND		mg/kg	0.379	--	1
Acenaphthene	ND		mg/kg	0.379	--	1
Fluorene	ND		mg/kg	0.379	--	1
Phenanthrene	ND		mg/kg	0.379	--	1
Anthracene	ND		mg/kg	0.379	--	1
Fluoranthene	ND		mg/kg	0.379	--	1
Pyrene	ND		mg/kg	0.379	--	1
Benzo(a)anthracene	ND		mg/kg	0.379	--	1
Chrysene	ND		mg/kg	0.379	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.379	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.379	--	1
Benzo(a)pyrene	ND		mg/kg	0.379	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.379	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.379	--	1
Benzo(ghi)perylene	ND		mg/kg	0.379	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2105133**Project Number:** 414883**Report Date:** 02/11/21**SAMPLE RESULTS**

Lab ID: L2105133-03

Date Collected: 02/03/21 09:15

Client ID: B-603-R-(1-3)

Date Received: 02/03/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	57		40-140
o-Terphenyl	70		40-140
2-Fluorobiphenyl	89		40-140
2-Bromonaphthalene	91		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

### SAMPLE RESULTS

**Lab ID:** L2105133-04  
**Client ID:** B-603-R-(3-5)  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/03/21 09:30  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 135,EPH-19-2.1  
**Analytical Date:** 02/08/21 03:58  
**Analyst:** MEO  
**Percent Solids:** 80%

**Extraction Method:** EPA 3546  
**Extraction Date:** 02/05/21 22:19  
**Cleanup Method1:** EPH-04-1  
**Cleanup Date1:** 02/07/21

### Quality Control Information

**Condition of sample received:** Satisfactory  
**Sample Temperature upon receipt:** Received on Ice  
**Sample Extraction method:** Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	8.01	--	1
C19-C36 Aliphatics	ND		mg/kg	8.01	--	1
C11-C22 Aromatics	23.7		mg/kg	8.01	--	1
C11-C22 Aromatics, Adjusted	23.7		mg/kg	8.01	--	1
Naphthalene	ND		mg/kg	0.400	--	1
2-Methylnaphthalene	ND		mg/kg	0.400	--	1
Acenaphthylene	ND		mg/kg	0.400	--	1
Acenaphthene	ND		mg/kg	0.400	--	1
Fluorene	ND		mg/kg	0.400	--	1
Phenanthrene	ND		mg/kg	0.400	--	1
Anthracene	ND		mg/kg	0.400	--	1
Fluoranthene	ND		mg/kg	0.400	--	1
Pyrene	ND		mg/kg	0.400	--	1
Benzo(a)anthracene	ND		mg/kg	0.400	--	1
Chrysene	ND		mg/kg	0.400	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.400	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.400	--	1
Benzo(a)pyrene	ND		mg/kg	0.400	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.400	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.400	--	1
Benzo(ghi)perylene	ND		mg/kg	0.400	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2105133**Project Number:** 414883**Report Date:** 02/11/21**SAMPLE RESULTS**

Lab ID: L2105133-04

Date Collected: 02/03/21 09:30

Client ID: B-603-R-(3-5)

Date Received: 02/03/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	60		40-140
o-Terphenyl	59		40-140
2-Fluorobiphenyl	73		40-140
2-Bromonaphthalene	74		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

### SAMPLE RESULTS

**Lab ID:** L2105133-05  
**Client ID:** DUP 13  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/03/21 10:15  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 135,EPH-19-2.1  
**Analytical Date:** 02/08/21 07:26  
**Analyst:** MEO  
**Percent Solids:** 84%

**Extraction Method:** EPA 3546  
**Extraction Date:** 02/05/21 22:19  
**Cleanup Method1:** EPH-04-1  
**Cleanup Date1:** 02/07/21

### Quality Control Information

**Condition of sample received:** Satisfactory  
**Sample Temperature upon receipt:** Received on Ice  
**Sample Extraction method:** Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
C9-C18 Aliphatics	ND		mg/kg	7.77	--	1
C19-C36 Aliphatics	ND		mg/kg	7.77	--	1
C11-C22 Aromatics	16.0		mg/kg	7.77	--	1
C11-C22 Aromatics, Adjusted	16.0		mg/kg	7.77	--	1
Naphthalene	ND		mg/kg	0.389	--	1
2-Methylnaphthalene	ND		mg/kg	0.389	--	1
Acenaphthylene	ND		mg/kg	0.389	--	1
Acenaphthene	ND		mg/kg	0.389	--	1
Fluorene	ND		mg/kg	0.389	--	1
Phenanthrene	ND		mg/kg	0.389	--	1
Anthracene	ND		mg/kg	0.389	--	1
Fluoranthene	ND		mg/kg	0.389	--	1
Pyrene	ND		mg/kg	0.389	--	1
Benzo(a)anthracene	ND		mg/kg	0.389	--	1
Chrysene	ND		mg/kg	0.389	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.389	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.389	--	1
Benzo(a)pyrene	ND		mg/kg	0.389	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.389	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.389	--	1
Benzo(ghi)perylene	ND		mg/kg	0.389	--	1

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2105133**Project Number:** 414883**Report Date:** 02/11/21**SAMPLE RESULTS**

Lab ID: L2105133-05

Date Collected: 02/03/21 10:15

Client ID: DUP 13

Date Received: 02/03/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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**Extractable Petroleum Hydrocarbons - Westborough Lab**

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	63		40-140
o-Terphenyl	58		40-140
2-Fluorobiphenyl	73		40-140
2-Bromonaphthalene	73		40-140

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 135,EPH-19-2.1  
Analytical Date: 02/06/21 19:28  
Analyst: SC

Extraction Method: EPA 3546  
Extraction Date: 02/05/21 19:27  
Cleanup Method: EPH-04-1  
Cleanup Date: 02/06/21

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-05 Batch: WG1462270-1					
C9-C18 Aliphatics	ND		mg/kg	6.58	--
C19-C36 Aliphatics	ND		mg/kg	6.58	--
C11-C22 Aromatics	ND		mg/kg	6.58	--
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.58	--
Naphthalene	ND		mg/kg	0.329	--
2-Methylnaphthalene	ND		mg/kg	0.329	--
Acenaphthylene	ND		mg/kg	0.329	--
Acenaphthene	ND		mg/kg	0.329	--
Fluorene	ND		mg/kg	0.329	--
Phenanthrene	ND		mg/kg	0.329	--
Anthracene	ND		mg/kg	0.329	--
Fluoranthene	ND		mg/kg	0.329	--
Pyrene	ND		mg/kg	0.329	--
Benzo(a)anthracene	ND		mg/kg	0.329	--
Chrysene	ND		mg/kg	0.329	--
Benzo(b)fluoranthene	ND		mg/kg	0.329	--
Benzo(k)fluoranthene	ND		mg/kg	0.329	--
Benzo(a)pyrene	ND		mg/kg	0.329	--
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.329	--
Dibenzo(a,h)anthracene	ND		mg/kg	0.329	--
Benzo(ghi)perylene	ND		mg/kg	0.329	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	61		40-140
o-Terphenyl	58		40-140
2-Fluorobiphenyl	79		40-140
2-Bromonaphthalene	79		40-140





## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR

**Lab Number:** L2105133

**Project Number:** 414883

**Report Date:** 02/11/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-05 Batch: WG1462270-2 WG1462270-3								
C9-C18 Aliphatics	62		62		40-140	0		25
C19-C36 Aliphatics	107		106		40-140	1		25
C11-C22 Aromatics	83		79		40-140	5		25
Naphthalene	71		69		40-140	3		25
2-Methylnaphthalene	76		73		40-140	4		25
Acenaphthylene	74		71		40-140	4		25
Acenaphthene	80		76		40-140	5		25
Fluorene	78		74		40-140	5		25
Phenanthrene	80		75		40-140	6		25
Anthracene	80		75		40-140	6		25
Fluoranthene	81		76		40-140	6		25
Pyrene	83		78		40-140	6		25
Benzo(a)anthracene	81		77		40-140	5		25
Chrysene	79		76		40-140	4		25
Benzo(b)fluoranthene	90		84		40-140	7		25
Benzo(k)fluoranthene	66		64		40-140	3		25
Benzo(a)pyrene	80		75		40-140	6		25
Indeno(1,2,3-cd)Pyrene	76		71		40-140	7		25
Dibenzo(a,h)anthracene	64		62		40-140	3		25
Benzo(ghi)perylene	72		69		40-140	4		25

### Lab Control Sample Analysis

#### Batch Quality Control

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR

**Lab Number:** L2105133

**Project Number:** 414883

**Report Date:** 02/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-05 Batch: WG1462270-2 WG1462270-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	67		63		40-140
o-Terphenyl	58		53		40-140
2-Fluorobiphenyl	66		64		40-140
2-Bromonaphthalene	65		63		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR

**Lab Number:** L2105133

**Project Number:** 414883

**Report Date:** 02/11/21

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1462270-4 WG1462270-5 QC Sample: L2105133-04 Client ID: B-603-R-(3-5)												
C9-C18 Aliphatics	ND	48.9	28.3	58		27.8	58		40-140	2		50
C19-C36 Aliphatics	ND	65.2	54.6	84		54.9	85		40-140	1		50
C11-C22 Aromatics	23.7	139	128	75		116	68		40-140	10		50
Naphthalene	ND	8.15	5.52	68		4.88	61		40-140	12		50
2-Methylnaphthalene	ND	8.15	6.25	77		5.52	69		40-140	12		50
Acenaphthylene	ND	8.15	6.03	74		5.49	68		40-140	9		50
Acenaphthene	ND	8.15	6.47	79		5.97	74		40-140	8		50
Fluorene	ND	8.15	6.58	81		5.96	74		40-140	10		50
Phenanthrene	ND	8.15	6.77	83		6.52	81		40-140	4		50
Anthracene	ND	8.15	6.35	78		5.82	72		40-140	9		50
Fluoranthene	ND	8.15	6.60	81		6.26	78		40-140	5		50
Pyrene	ND	8.15	6.80	83		6.39	79		40-140	6		50
Benzo(a)anthracene	ND	8.15	6.48	79		6.00	75		40-140	8		50
Chrysene	ND	8.15	6.44	79		5.93	74		40-140	8		50
Benzo(b)fluoranthene	ND	8.15	7.05	86		6.54	81		40-140	8		50
Benzo(k)fluoranthene	ND	8.15	5.34	65		4.82	60		40-140	10		50
Benzo(a)pyrene	ND	8.15	6.37	78		5.80	72		40-140	9		50
Indeno(1,2,3-cd)Pyrene	ND	8.15	5.90	72		5.32	66		40-140	10		50
Dibenzo(a,h)anthracene	ND	8.15	6.24	76		5.62	70		40-140	10		50
Benzo(ghi)perylene	ND	8.15	5.80	71		5.19	64		40-140	11		50

### Matrix Spike Analysis Batch Quality Control

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>Qual</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Qual</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
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Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1462270-4 WG1462270-5 QC Sample: L2105133-04  
Client ID: B-603-R-(3-5)

<b>Surrogate</b>	<b>MS</b>		<b>MSD</b>		<b>Acceptance Criteria</b>
	<b>% Recovery</b>	<b>Qualifier</b>	<b>% Recovery</b>	<b>Qualifier</b>	
2-Bromonaphthalene	88		78		40-140
2-Fluorobiphenyl	87		75		40-140
Chloro-Octadecane	62		65		40-140
o-Terphenyl	70		63		40-140

## METALS

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2105133**Project Number:** 414883**Report Date:** 02/11/21**SAMPLE RESULTS**

Lab ID: L2105133-01

Date Collected: 02/01/21 10:00

Client ID: B-603 (5-6')

Date Received: 02/03/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.34	--	1	02/05/21 05:01	02/08/21 14:21	EPA 3050B	97,6010D	PS
Arsenic, Total	55.4		mg/kg	0.469	--	1	02/05/21 05:01	02/08/21 14:21	EPA 3050B	97,6010D	PS
Barium, Total	83.6		mg/kg	0.469	--	1	02/05/21 05:01	02/08/21 14:21	EPA 3050B	97,6010D	PS
Beryllium, Total	1.53		mg/kg	0.234	--	1	02/05/21 05:01	02/08/21 14:21	EPA 3050B	97,6010D	PS
Cadmium, Total	ND		mg/kg	0.469	--	1	02/05/21 05:01	02/08/21 14:21	EPA 3050B	97,6010D	PS
Chromium, Total	12.6		mg/kg	0.469	--	1	02/05/21 05:01	02/08/21 14:21	EPA 3050B	97,6010D	PS
Lead, Total	24.8		mg/kg	2.34	--	1	02/05/21 05:01	02/08/21 14:21	EPA 3050B	97,6010D	PS
Mercury, Total	0.153		mg/kg	0.087	--	1	02/05/21 05:05	02/09/21 12:43	EPA 7471B	97,7471B	EW
Nickel, Total	15.5		mg/kg	1.17	--	1	02/05/21 05:01	02/08/21 14:21	EPA 3050B	97,6010D	PS
Selenium, Total	ND		mg/kg	2.34	--	1	02/05/21 05:01	02/08/21 14:21	EPA 3050B	97,6010D	PS
Silver, Total	ND		mg/kg	0.469	--	1	02/05/21 05:01	02/08/21 14:21	EPA 3050B	97,6010D	PS
Thallium, Total	ND		mg/kg	2.34	--	1	02/05/21 05:01	02/08/21 14:21	EPA 3050B	97,6010D	PS
Vanadium, Total	55.1		mg/kg	0.469	--	1	02/05/21 05:01	02/08/21 14:21	EPA 3050B	97,6010D	PS
Zinc, Total	29.4		mg/kg	2.34	--	1	02/05/21 05:01	02/08/21 14:21	EPA 3050B	97,6010D	PS



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2105133**Project Number:** 414883**Report Date:** 02/11/21**SAMPLE RESULTS**

Lab ID: L2105133-02

Date Collected: 02/03/21 09:00

Client ID: B-603-R-(0-1)

Date Received: 02/03/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.23	--	1	02/05/21 05:01	02/08/21 14:26	EPA 3050B	97,6010D	PS
Arsenic, Total	17.4		mg/kg	0.447	--	1	02/05/21 05:01	02/08/21 14:26	EPA 3050B	97,6010D	PS
Barium, Total	59.4		mg/kg	0.447	--	1	02/05/21 05:01	02/08/21 14:26	EPA 3050B	97,6010D	PS
Beryllium, Total	0.563		mg/kg	0.223	--	1	02/05/21 05:01	02/08/21 14:26	EPA 3050B	97,6010D	PS
Cadmium, Total	ND		mg/kg	0.447	--	1	02/05/21 05:01	02/08/21 14:26	EPA 3050B	97,6010D	PS
Chromium, Total	8.09		mg/kg	0.447	--	1	02/05/21 05:01	02/08/21 14:26	EPA 3050B	97,6010D	PS
Lead, Total	26.2		mg/kg	2.23	--	1	02/05/21 05:01	02/08/21 14:26	EPA 3050B	97,6010D	PS
Mercury, Total	ND		mg/kg	0.081	--	1	02/05/21 05:05	02/09/21 12:46	EPA 7471B	97,7471B	EW
Nickel, Total	7.79		mg/kg	1.12	--	1	02/05/21 05:01	02/08/21 14:26	EPA 3050B	97,6010D	PS
Selenium, Total	ND		mg/kg	2.23	--	1	02/05/21 05:01	02/08/21 14:26	EPA 3050B	97,6010D	PS
Silver, Total	ND		mg/kg	0.447	--	1	02/05/21 05:01	02/08/21 14:26	EPA 3050B	97,6010D	PS
Thallium, Total	ND		mg/kg	2.23	--	1	02/05/21 05:01	02/08/21 14:26	EPA 3050B	97,6010D	PS
Vanadium, Total	20.3		mg/kg	0.447	--	1	02/05/21 05:01	02/08/21 14:26	EPA 3050B	97,6010D	PS
Zinc, Total	31.6		mg/kg	2.23	--	1	02/05/21 05:01	02/08/21 14:26	EPA 3050B	97,6010D	PS



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2105133**Project Number:** 414883**Report Date:** 02/11/21**SAMPLE RESULTS**

Lab ID: L2105133-03

Date Collected: 02/03/21 09:15

Client ID: B-603-R-(1-3)

Date Received: 02/03/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.31	--	1	02/05/21 05:01	02/08/21 14:30	EPA 3050B	97,6010D	PS
Arsenic, Total	56.0		mg/kg	0.461	--	1	02/05/21 05:01	02/08/21 14:30	EPA 3050B	97,6010D	PS
Barium, Total	72.9		mg/kg	0.461	--	1	02/05/21 05:01	02/08/21 14:30	EPA 3050B	97,6010D	PS
Beryllium, Total	1.52		mg/kg	0.231	--	1	02/05/21 05:01	02/08/21 14:30	EPA 3050B	97,6010D	PS
Cadmium, Total	ND		mg/kg	0.461	--	1	02/05/21 05:01	02/08/21 14:30	EPA 3050B	97,6010D	PS
Chromium, Total	11.8		mg/kg	0.461	--	1	02/05/21 05:01	02/08/21 14:30	EPA 3050B	97,6010D	PS
Lead, Total	17.4		mg/kg	2.31	--	1	02/05/21 05:01	02/08/21 14:30	EPA 3050B	97,6010D	PS
Mercury, Total	0.083		mg/kg	0.080	--	1	02/05/21 05:05	02/09/21 12:56	EPA 7471B	97,7471B	EW
Nickel, Total	14.6		mg/kg	1.15	--	1	02/05/21 05:01	02/08/21 14:30	EPA 3050B	97,6010D	PS
Selenium, Total	ND		mg/kg	2.31	--	1	02/05/21 05:01	02/08/21 14:30	EPA 3050B	97,6010D	PS
Silver, Total	ND		mg/kg	0.461	--	1	02/05/21 05:01	02/08/21 14:30	EPA 3050B	97,6010D	PS
Thallium, Total	ND		mg/kg	2.31	--	1	02/05/21 05:01	02/08/21 14:30	EPA 3050B	97,6010D	PS
Vanadium, Total	55.3		mg/kg	0.461	--	1	02/05/21 05:01	02/08/21 14:30	EPA 3050B	97,6010D	PS
Zinc, Total	25.2		mg/kg	2.31	--	1	02/05/21 05:01	02/08/21 14:30	EPA 3050B	97,6010D	PS





**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2105133**Project Number:** 414883**Report Date:** 02/11/21**SAMPLE RESULTS**

Lab ID: L2105133-04

Date Collected: 02/03/21 09:30

Client ID: B-603-R-(3-5)

Date Received: 02/03/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.43	--	1	02/05/21 05:01	02/08/21 13:44	EPA 3050B	97,6010D	PS
Arsenic, Total	75.3		mg/kg	0.487	--	1	02/05/21 05:01	02/08/21 13:44	EPA 3050B	97,6010D	PS
Barium, Total	92.0		mg/kg	0.487	--	1	02/05/21 05:01	02/08/21 13:44	EPA 3050B	97,6010D	PS
Beryllium, Total	1.82		mg/kg	0.243	--	1	02/05/21 05:01	02/08/21 13:44	EPA 3050B	97,6010D	PS
Cadmium, Total	ND		mg/kg	0.487	--	1	02/05/21 05:01	02/08/21 13:44	EPA 3050B	97,6010D	PS
Chromium, Total	13.6		mg/kg	0.487	--	1	02/05/21 05:01	02/08/21 13:44	EPA 3050B	97,6010D	PS
Lead, Total	15.3		mg/kg	2.43	--	1	02/05/21 05:01	02/08/21 13:44	EPA 3050B	97,6010D	PS
Mercury, Total	0.104		mg/kg	0.081	--	1	02/05/21 05:05	02/09/21 12:26	EPA 7471B	97,7471B	EW
Nickel, Total	16.4		mg/kg	1.22	--	1	02/05/21 05:01	02/08/21 13:44	EPA 3050B	97,6010D	PS
Selenium, Total	ND		mg/kg	2.43	--	1	02/05/21 05:01	02/08/21 13:44	EPA 3050B	97,6010D	PS
Silver, Total	ND		mg/kg	0.487	--	1	02/05/21 05:01	02/08/21 13:44	EPA 3050B	97,6010D	PS
Thallium, Total	ND		mg/kg	2.43	--	1	02/05/21 05:01	02/08/21 13:44	EPA 3050B	97,6010D	PS
Vanadium, Total	67.2		mg/kg	0.487	--	1	02/05/21 05:01	02/08/21 13:44	EPA 3050B	97,6010D	PS
Zinc, Total	23.2		mg/kg	2.43	--	1	02/05/21 05:01	02/08/21 13:44	EPA 3050B	97,6010D	PS



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR**Lab Number:** L2105133**Project Number:** 414883**Report Date:** 02/11/21**SAMPLE RESULTS**

Lab ID: L2105133-05

Date Collected: 02/03/21 10:15

Client ID: DUP 13

Date Received: 02/03/21

Sample Location: 6 BRIDGE STREET, WEYMOUTH, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>MCP Total Metals - Mansfield Lab</b>											
Antimony, Total	ND		mg/kg	2.34	--	1	02/05/21 05:01	02/08/21 14:35	EPA 3050B	97,6010D	PS
Arsenic, Total	57.1		mg/kg	0.467	--	1	02/05/21 05:01	02/08/21 14:35	EPA 3050B	97,6010D	PS
Barium, Total	74.1		mg/kg	0.467	--	1	02/05/21 05:01	02/08/21 14:35	EPA 3050B	97,6010D	PS
Beryllium, Total	1.46		mg/kg	0.234	--	1	02/05/21 05:01	02/08/21 14:35	EPA 3050B	97,6010D	PS
Cadmium, Total	ND		mg/kg	0.467	--	1	02/05/21 05:01	02/08/21 14:35	EPA 3050B	97,6010D	PS
Chromium, Total	11.4		mg/kg	0.467	--	1	02/05/21 05:01	02/08/21 14:35	EPA 3050B	97,6010D	PS
Lead, Total	16.9		mg/kg	2.34	--	1	02/05/21 05:01	02/08/21 14:35	EPA 3050B	97,6010D	PS
Mercury, Total	ND		mg/kg	0.082	--	1	02/05/21 05:05	02/09/21 12:59	EPA 7471B	97,7471B	EW
Nickel, Total	13.9		mg/kg	1.17	--	1	02/05/21 05:01	02/08/21 14:35	EPA 3050B	97,6010D	PS
Selenium, Total	ND		mg/kg	2.34	--	1	02/05/21 05:01	02/08/21 14:35	EPA 3050B	97,6010D	PS
Silver, Total	ND		mg/kg	0.467	--	1	02/05/21 05:01	02/08/21 14:35	EPA 3050B	97,6010D	PS
Thallium, Total	ND		mg/kg	2.34	--	1	02/05/21 05:01	02/08/21 14:35	EPA 3050B	97,6010D	PS
Vanadium, Total	56.3		mg/kg	0.467	--	1	02/05/21 05:01	02/08/21 14:35	EPA 3050B	97,6010D	PS
Zinc, Total	24.2		mg/kg	2.34	--	1	02/05/21 05:01	02/08/21 14:35	EPA 3050B	97,6010D	PS



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1461694-1									
Antimony, Total	ND	mg/kg	2.00	--	1	02/05/21 05:01	02/08/21 13:07	97,6010D	PS
Arsenic, Total	ND	mg/kg	0.400	--	1	02/05/21 05:01	02/08/21 13:07	97,6010D	PS
Barium, Total	ND	mg/kg	0.400	--	1	02/05/21 05:01	02/08/21 13:07	97,6010D	PS
Beryllium, Total	ND	mg/kg	0.200	--	1	02/05/21 05:01	02/08/21 13:07	97,6010D	PS
Cadmium, Total	ND	mg/kg	0.400	--	1	02/05/21 05:01	02/08/21 13:07	97,6010D	PS
Chromium, Total	ND	mg/kg	0.400	--	1	02/05/21 05:01	02/08/21 13:07	97,6010D	PS
Lead, Total	ND	mg/kg	2.00	--	1	02/05/21 05:01	02/08/21 13:07	97,6010D	PS
Nickel, Total	ND	mg/kg	1.00	--	1	02/05/21 05:01	02/08/21 13:07	97,6010D	PS
Selenium, Total	ND	mg/kg	2.00	--	1	02/05/21 05:01	02/08/21 13:07	97,6010D	PS
Silver, Total	ND	mg/kg	0.400	--	1	02/05/21 05:01	02/08/21 13:07	97,6010D	PS
Thallium, Total	ND	mg/kg	2.00	--	1	02/05/21 05:01	02/08/21 13:07	97,6010D	PS
Vanadium, Total	ND	mg/kg	0.400	--	1	02/05/21 05:01	02/08/21 13:07	97,6010D	PS
Zinc, Total	ND	mg/kg	2.00	--	1	02/05/21 05:01	02/08/21 13:07	97,6010D	PS

### Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1461695-1									
Mercury, Total	ND	mg/kg	0.083	--	1	02/05/21 05:05	02/09/21 12:16	97,7471B	EW

### Prep Information

Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
MCP Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1461694-2 WG1461694-3 SRM Lot Number: D109-540								
Antimony, Total	138		135		19-250	2		30
Arsenic, Total	105		101		70-130	4		30
Barium, Total	98		96		75-125	2		30
Beryllium, Total	100		98		75-125	2		30
Cadmium, Total	95		93		75-125	2		30
Chromium, Total	100		97		70-130	3		30
Lead, Total	95		94		72-128	1		30
Nickel, Total	96		94		70-130	2		30
Selenium, Total	103		102		68-132	1		30
Silver, Total	106		100		68-131	6		30
Thallium, Total	96		93		68-131	3		30
Vanadium, Total	103		98		59-141	5		30
Zinc, Total	99		96		70-130	3		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1461695-2 WG1461695-3 SRM Lot Number: D109-540								
Mercury, Total	101		109		60-140	8		30



### Matrix Spike Analysis Batch Quality Control

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1461694-4 WG1461694-5 QC Sample: L2105133-04 Client ID: B-603-R-(3-5)												
Antimony, Total	ND	47.6	23.1	48	Q	24.6	50	Q	75-125	6		35
Arsenic, Total	75.3	11.4	84.3	79		85.6	87		75-125	2		35
Barium, Total	92.0	190	195	54	Q	207	58	Q	75-125	6		35
Beryllium, Total	1.82	4.76	4.48	56	Q	4.72	59	Q	75-125	5		35
Cadmium, Total	ND	4.86	2.99	62	Q	3.20	64	Q	75-125	7		35
Chromium, Total	13.6	19	23.8	54	Q	24.7	56	Q	75-125	4		35
Lead, Total	15.3	48.6	40.5	52	Q	42.4	54	Q	75-125	5		35
Nickel, Total	16.4	47.6	39.9	49	Q	41.8	51	Q	75-125	5		35
Selenium, Total	ND	11.4	5.77	50	Q	6.08	51	Q	75-125	5		35
Silver, Total	ND	28.6	14.9	52	Q	15.7	53	Q	75-125	5		35
Thallium, Total	ND	11.4	4.93	43	Q	5.11	43	Q	75-125	4		35
Vanadium, Total	67.2	47.6	96.2	61	Q	99.1	65	Q	75-125	3		35
Zinc, Total	23.2	47.6	49.3	55	Q	52.2	59	Q	75-125	6		35

MCP Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1461695-4 WG1461695-5 QC Sample: L2105133-04 Client ID: B-603-R-(3-5)

Mercury, Total	0.104	0.0827	0.234	157	Q	0.261	169	Q	75-125	11		35
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Project Name: ENBRIDGE WEYMOUTH COMPRESSOR

Project Number: 414883

**Lab Serial Dilution  
Analysis  
Batch Quality Control**

Lab Number: L2105133

Report Date: 02/11/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1461694-6 QC Sample: L2105133-04 Client ID: B-603-R-(3-5)						
Arsenic, Total	75.3	110	mg/kg	46	Q	20
Barium, Total	92.0	126	mg/kg	37	Q	20
Chromium, Total	13.6	19.5	mg/kg	43	Q	20
Vanadium, Total	67.2	95.6	mg/kg	42	Q	20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

**SAMPLE RESULTS**

**Lab ID:** L2105133-01  
**Client ID:** B-603 (5-6')  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/01/21 10:00  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.4		%	0.100	NA	1	-	02/04/21 09:31	121,2540G	RI





**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

**SAMPLE RESULTS**

**Lab ID:** L2105133-02  
**Client ID:** B-603-R-(0-1)  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/03/21 09:00  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.6		%	0.100	NA	1	-	02/04/21 09:31	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

**SAMPLE RESULTS**

**Lab ID:** L2105133-03  
**Client ID:** B-603-R-(1-3)  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/03/21 09:15  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.3		%	0.100	NA	1	-	02/04/21 09:31	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

**SAMPLE RESULTS**

**Lab ID:** L2105133-04  
**Client ID:** B-603-R-(3-5)  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/03/21 09:30  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.1		%	0.100	NA	1	-	02/04/21 09:31	121,2540G	RI



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2105133  
**Report Date:** 02/11/21

**SAMPLE RESULTS**

**Lab ID:** L2105133-05  
**Client ID:** DUP 13  
**Sample Location:** 6 BRIDGE STREET, WEYMOUTH, MA

**Date Collected:** 02/03/21 10:15  
**Date Received:** 02/03/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.9		%	0.100	NA	1	-	02/04/21 09:31	121,2540G	RI



## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR

**Project Number:** 414883

**Lab Number:** L2105133

**Report Date:** 02/11/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1461615-1 QC Sample: L2105133-04 Client ID: B-603-R-(3-5)						
Solids, Total	80.1	80.1	%	0		20

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Serial\_No:**02112112:46  
**Lab Number:** L2105133  
**Report Date:** 02/11/21

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

**Cooler**                      **Custody Seal**  
A                                      Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2105133-01A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2105133-01B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2105133-02A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2105133-02B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2105133-03A	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2105133-03B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2105133-04A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2105133-04B	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L2105133-04C	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)

\*Values in parentheses indicate holding time in days



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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2105133-05A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)
L2105133-05B	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

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## GLOSSARY

### Acronyms

DL	- 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
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.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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.

Report Format: Data Usability Report





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#### 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

**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.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**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.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- 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).
- 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.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- 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.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report



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**Data Qualifiers**

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.

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## REFERENCES

- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 135 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, December 2019, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, March 1, 2020.

## 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

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

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**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.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

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The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** 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 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.

**SM2340B**

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



**APPENDIX B**

**DATA USABILITY ASSESSMENT**



**Soil Sampling  
82 Bridge Street  
Weymouth, Massachusetts  
Data Usability Assessment  
Prepared: February 12, 2021**

**A. Overall Summary**

The data associated with soil samples collected on October 22, 2019, November 13 and 15, 2019, December 19, 2019, November 4, 5, 19, 20, and 23, 2020, December 7 and 8, 2020, January 12, 13, 14, 15, 18, 19, and 25 2021, and February 1 and 3, 2021 were reviewed. In general, data are usable for project decisions based on a review of accuracy, precision, and sensitivity of the data. The data are valid as reported and may be used for decision-making purposes without any cautions or limitations.

**Samples Included in the Data Usability Assessment:**

October, November, and December 2019:

TRC-1 (0-1), TRC-2 (0-1), TRC-3 (0-1), TRC-4 (0-1), TRC-5 (0-1), TRC-6 (0-1), TRC-7 (0-1), TRC-8 (0-1), TRC-9 (0-1), DUP-1<sup>1</sup>, TRC-10 (0-1), TRC-11 (0-1), TRC-12 (0-1), TRC-13 (0-1), TRC-14 (0-1), DUP-3<sup>2</sup>, TRC-15 (0-1), TRC-16 (0-1), DUP-4<sup>3</sup>, TRC-15E (0-1), TRC-16E (0-1), TRC-17 (0-1), TRC-18 (0-1), TRC-19 (0-1), TRC-20 (0-1), TRC-21 (0-1), TRC-22 (0-1), DUP-121919<sup>4</sup>, TRC-23 (0-1), TRC-24 (0-1), TRC-25 (0-1), TRC-26 (0-1)

November and December 2020:

MW-613 (0-1), MW-614 (0-1), MW-615 (0-1), MW-617 (0-1)-A, MW-617 (0-1)-B, B-607 (0-1), B-608 (0-1), B-609 (0-1), B-610 (0-1), B-611 (0-1), B-612 (0-1), TP-1 (0-3), TP-2 (0-3)

January and February 2021:

B-601 (0-1), B-602 (0-1), B-603 (0-1), B-603R (0-1), B-604 (0-1), B-605 (0-1), B-606 (0-1), SS-101 (0-1), SS-102 (0-1), SS-103 (0-1), SS-104 (0-1), SS-105 (0-1), SS-106 (0-1), SS-107 (0-1), SS-108 (0-1) (1/15/21), SS-108 (0-1) (1/25/21), SS-109 (0-1), SS-110 (0-1), SS-111 (0-1), SS-112 (0-1), SS-113 (0-1), SS-114 (0-1), SS-115 (0-1), SS-116 (0-1), SS-117 (0-1), SS-118 (0-1), SS-119 (0-1), SS-120 (0-1), SS-121 (0-1), SS-122 (0-1), SS-123 (0-1), SS-124 (0-0.5), SS-125 (0-0.5), SS-126 (0-0.5), SS-128 (0-1), SS-129 (0-1), SS-130 (0-1), SS-131 (0-1), SS-136 (0-1), SS-145 (0-1), SS-154 (0-1), UU-1 (0-3), UU-2 (0-3), UU-3 (0-3), UU-4 (0-3), UU-5 (0-3), UU-6 (0-3), UU-7 (0-3), UU-8 (0-3), UU-9A (0-3), UU-9B (0-3), DUP-10<sup>5</sup>, DUP 12<sup>6</sup>

**Field Duplicates:**

- <sup>1</sup>Field duplicate of TRC-09 (0-1)
- <sup>2</sup>Field duplicate of TRC-14 (0-1)
- <sup>3</sup>Field duplicate of TRC-15E (0-1)
- <sup>4</sup>Field duplicate of TRC-22 0-1
- <sup>5</sup>Field duplicate of SS-122 (0-1)
- <sup>6</sup>Field duplicate of SS-136 (0-1)

**MS/MSDs:** TRC-15E (0-1) (arsenic), SS-107 (0-1) (EPH, metals), SS-122 (0-1) (EPH, metals), SS-131 (0-1) (arsenic), DUP 12 (arsenic)

**Soil Analyses Performed:** EPH, metals

**Laboratory Data Packages:**

L1949795, L1954181, L1954968, L1961101, L2048409, L2048698, L2051853, L2052454, L2054651, L2054656, L2102136, L2102825, L2103973, L2105130, L2105133 (Alpha Analytical, Westborough and Mansfield, MA)

**Criteria Reviewed:**

Holding times/sample preparation, blanks, surrogates, laboratory control sample (LCS), LCS duplicates (LCSDs), field duplicate results, matrix spike (MS), MS duplicates (MSDs), serial dilution results, reporting limits (RLs)

**B. Sensitivity Evaluation**

With one exception, sensitivity was acceptable for the EPH and metals analyses of soil samples (i.e., the RLs for nondetect results were below the Massachusetts Contingency Plan [MCP] Method 1 S-1/GW-2 and S-1/GW-3 standards). Sensitivity was not acceptable for dibenz(a,h)anthracene in samples B-610 (0-1), B-611 (0-1), and MW-614 (0-1); the RLs for dibenz(a,h)anthracene in these samples (1.08 mg/kg, 1.19 mg/kg, and 0.731 mg/kg, respectively) exceeded the S-1/GW-2 and S-1/GW-3 standard (0.7 mg/kg). Since no other PAHs were detected above the project action levels in these samples, this minor sensitivity issue does not have an adverse effect on the achievement of the project objectives.

**C. Evaluation of Accuracy and Precision**

Biases and/or uncertainties associated with the EPH and metals analyses of the soil samples are discussed below.

**C-1. Low-Biased Results**

Potential low bias exists for select results due to various QC nonconformances. In general, the overall data usability and decision-making process were not affected by these QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for High Bias	Reason Data Usability or Decision-making Process Not Affected
SS-101 (0-1), SS-102 (0-1), SS-103 (0-1), SS-104 (0-1), SS-105 (0-1), SS-106 (0-1), SS-107 (0-1), SS-108 (0-1) (1/15/21), SS-109 (0-1), SS-110 (0-1), SS-111 (0-1), SS-113 (0-1), SS-114 (0-1), SS-116 (0-1), SS-117 (0-1), SS-123 (0-1), UU-1 (0-3), UU-3 (0-3), UU-6 (0-3)	Antimony, chromium	Low recoveries in MS and/or MSD	Results for the affected analytes significantly below project action levels in affected samples.



### C-2. High-Biased Results

Potential high bias exists for select results due to various QC nonconformances. In general, the overall data usability and decision-making process were not affected by these QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for High Bias	Reason Data Usability or Decision-making Process Not Affected
B-601 (0-1), B-602 (0-1), B-603 (0-1), B-604 (0-1), B-605 (0-1), B-606 (0-1), UU-9A (0-3), UU-9B (0-3), UU-8 (0-3), SS-119 (0-1), SS-118 (0-1), SS-115 (0-1), UU-5 (0-3), SS-112 (0-1), UU-2 (0-3), SS-120 (0-1), UU-7 (0-3), SS-121 (0-1), UU-4 (0-3), SS-122 (0-1), DUP-10	Arsenic	High recovery in MS	Results for the affected analyte significantly above or below project action levels in affected samples.
SS-101 (0-1), SS-102 (0-1), SS-103 (0-1), SS-104 (0-1), SS-105 (0-1), SS-106 (0-1), SS-107 (0-1), SS-108 (0-1) (1/15/21), SS-109 (0-1), SS-110 (0-1), SS-111 (0-1), SS-113 (0-1), SS-114 (0-1), SS-116 (0-1), SS-117 (0-1), SS-123 (0-1), UU-1 (0-3), UU-3 (0-3), UU-6 (0-3)	Mercury	High recoveries in MS and MSD	Results for the affected analyte either not detected or significantly below project action levels in affected samples.

### C-3. Potential Uncertainty

Potential uncertainty exists for select results due to various QC nonconformances. In general, the overall data usability and decision-making process were not affected by the QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for Uncertainty	Reason Data Usability or Decision-making Process Not Affected
MW-615 (0-1),	Naphthalene, 2-methylnaphthalene, acenaphthylene, acenaphthene, anthracene, chrysene, dibenzo(a,h)anthracene	LCS/LCS Duplicate variability	The results for affected analytes were significantly below project action levels in sample MW-615 (0-1).

## **APPENDIX C**

### **IMMINENT HAZARD EVALUATION FOR ARSENIC IN SOIL**



# IMMINENT HAZARD EVALUATION FOR ARSENIC IN SOIL

**82 Bridge Street  
Weymouth, Massachusetts**

**Release Tracking Number 4-28676**

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*Prepared for:*



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*Prepared by:*



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Wannalancit Mills  
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**February 2021**

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**IMMINENT HAZARD EVALUATION FOR ARSENIC IN SOIL  
82 BRIDGE STREET  
WEYMOUTH, MASSACHUSETTS**

TRC Environmental Corporation (TRC) has prepared this Imminent Hazard (IH) Evaluation report for Algonquin Gas Transmission, LLC (Algonquin) regarding arsenic detected in surficial soil at the Kings Cove Conservation Area at 82 Bridge Street in Weymouth, Massachusetts (the "Site"). This IH Evaluation is one of the Immediate Response Action (IRA) activities initiated in response to the detection of arsenic in soil on January 26, 2021.

In accordance with the Massachusetts Contingency Plan (MCP), specifically 310 CMR 40.0953, the IH Evaluation evaluates actual or likely exposures under current site conditions, and considers an appropriately short period of time (five years or less). The levels of oil and/or hazardous material (OHM) in the top twelve inches of soil are considered in the IH Evaluation.

MCP Method 3 has been used for this IH Evaluation. This IH Evaluation has been conducted consistent with the MCP and the requirements of 310 CMR 40.0426, 310 CMR 40.0951 through 40.0955, and MassDEP's Guidance for Disposal Site Risk Characterization (MassDEP, 1995 and updates).

An MCP Method 3 IH Evaluation includes four steps as described in Section 10.0 of MassDEP's Guidance for Disposal Site Risk Characterization (MassDEP, 1995): (1) Identification of Contaminants of Potential Concern (COPCs); (2) Exposure Assessment; (3) Dose-Response Assessment; and (4) Risk Characterization. The following sections describe how those steps were performed and the conclusions of the IH Evaluation.

Supplemental information for this IH Evaluation is included in Attachment 1 (Risk Calculation Spreadsheet and Shortform).

A Data Usability Assessment (DUA) for the soil data that is the subject of this IH Evaluation is included in Appendix B of the IRA Completion Report.

## **1.0 IDENTIFICATION OF CONTAMINANTS OF POTENTIAL CONCERN AND HOT SPOT EVALUATION**

### **1.1 Data Review**

Between November 4, 2020 and February 3, 2021, TRC performed soil sampling at the Site as part of a wider sampling program to determine the nature and extent of OHM releases at the Site. A total of 64 shallow (0 to 1-foot) soil samples were collected and submitted for laboratory analyses to evaluate potential extractable petroleum hydrocarbons (EPH), polycyclic aromatic hydrocarbons (PAHs), and metals impacts (see Figure 1). Analytical results are presented in Table 1 of the IRA Completion Report. Laboratory analytical results for soil sample B-603 at a depth of 0 to 1-foot indicated an arsenic concentration of 61.4 mg/kg, which is above the concentration specified at 310 CMR 40.0321(2)(b) (40 mg/kg).

Because only one location within the portion of the Site addressed by the IRA Completion report had an arsenic concentration that exceeded the concentration specified at 310 CMR 40.0321(2)(b), analytical data from this location was evaluated in the IH Evaluation. Analytical data for this location are presented in Table 1. This approach assumes that receptors are exposed only to the concentrations of OHM detected at the B-603 location and not the lower concentrations of OHM detected in the vicinity of location B-603.

### **1.2 Identification Of COPCs**

All contaminants detected at location B-603 at concentrations higher than the laboratory reporting limits were retained as Contaminants of Potential Concern (COPCs) for the IH Evaluation unless the maximum detected concentration of a contaminant was less than the MCP Natural Soil Background Concentrations, if available. Based on the above criteria, C11-C22 aromatics, arsenic, barium, beryllium, and vanadium were identified as COPCs for the 0 to 1-foot soil interval. The soil COPCs are presented in Table 1.

### **1.3 Hot Spot Evaluation**

Because only location B-603 was evaluated for the IH Evaluation, no hot spot evaluation is required because maximum concentrations have been used as exposure point concentrations.

## **2.0 EXPOSURE ASSESSMENT**

The Exposure Assessment identifies the individuals who might be exposed to the COPCs in the area that is the subject of the IH Evaluation, otherwise known as receptors. This section discusses the potential pathways of exposure for the identified receptors, exposure assumptions used for each receptor, estimates of the frequency and intensity of the potential exposure, the medium-specific exposure point concentrations, and the resulting concentrations of a COPC to which specific receptors may be exposed.

## **2.1 Current Activities and Uses**

This IH Evaluation is applicable to a portion of the Kings Cove Conservation Area (location B-603; see Figure 1). This area is used recreationally as a passive recreational park used primarily for walking.

## **2.2 Receptors and Exposure Pathways**

This IH Evaluation characterizes cumulative risks to recreational visitors who may be exposed to surficial soils in the vicinity of location B-603 where concentrations of COPCs in the 0 to 1-foot interval have been detected.

These recreational visitors could potentially be exposed to surficial soil primarily through incidental ingestion (i.e., a result of hand-to-mouth activity), dermal contact, and inhalation of fugitive dust release from impacted soil.

The soil data summarized in Table 1 were used to estimate exposures to park visitors.

## **2.3 Exposure Assumptions**

Only a young child recreational visitor (1 to 6-year old) is evaluated in an IH Evaluation because the exposure period for the IH Evaluation is limited to five years. Outdoor exposures to COPCs in soil are assumed to occur for 30 days/year (3 day/week for 30 weeks/year). The exposure duration for non-cancer endpoints of toxicity was averaged over 30 weeks. The average weight of the child was assumed to be 14.6 kilograms. Incidental ingestion of soil was set at 100 milligrams/day for the child. Dermal contact with COPCs in soil was evaluated using a soil adherence factor of 0.35 mg/cm<sup>2</sup> which assumes exposure via the face, hands, forearms, lower legs, and feet (2231 cm<sup>2</sup>). MassDEP's Park Visitor IH Shortform was used to evaluate this scenario. Exposures to COPCs in fugitive dust are assumed to occur for 90 days/year (3 days/week for 30 weeks/year), 4 hours each day, for five years. Methods and assumptions consistent with the MassDEP Technical Update "Characterization of Risks Due to Inhalation of Particulates by Construction Workers" (MassDEP, 2008) were used for the fugitive dust pathway (e.g., a PM<sub>10</sub> of 60 µg/m<sup>3</sup>). An inhalation rate of 14.8 liters/minute was used for the young child (MassDEP, 1995). The risk calculation spreadsheet for the fugitive dust pathway and Shortform for the ingestion and dermal contact pathways are presented in Attachment 1.

## **2.4 Exposure Point Concentrations**

Exposure Point Concentrations (EPCs) represent the COPC concentrations that a receptor may come in contact with at the exposure point. EPCs for this risk characterization were detected concentrations for COPCs identified at location B-603, as presented in Table 1.

## 2.5 Estimation of Chemical Intake

To evaluate the risk of harm to recreational visitors, the intake of each COPC must be estimated, a process which involves assessing the amount of material in contact with the receptor and the amount actually available for absorption by the body. This assessment is achieved through the calculation of an average daily dose (ADD) for each COPC and for each route of exposure. Compound-specific and exposure route-specific Relative Absorption Factors (RAFs) are used in the ADD equations to convert an exposure (amount) to a dose (amount per unit body weight).

The general ADD equation is as follows and is consistent with that provided in MassDEP, 1995:

$$\text{ADD} = \frac{\text{Total Amount of Chemical Taken In}}{(\text{Body Weight}) * (\text{Averaging Period})}$$

The specific ADD equations for the various exposure pathways evaluated are provided below:

### Incidental Ingestion of Soil

$$\text{ADD} = \frac{(\text{EPC}) * (\text{Ingestion Rate}) * (\text{Exposure Frequency}) * (\text{Exposure Period}) * \text{RAF}}{(\text{Body Weight}) * (\text{Averaging Period})}$$

### Dermal Contact with Soil

$$\text{ADD} = \frac{(\text{EPC}) * (\text{Surface Area}) * (\text{Exposure Frequency}) * (\text{Exposure Period}) * (\text{Adherence Factor}) * \text{RAF}}{(\text{Body Weight}) * (\text{Averaging Period})}$$

For the fugitive dust pathway, equations presented in *Characterization of Risks Due to Inhalation of Particulates by Construction Workers (Revised Technical Update; 2008)* were used. The equations used are as follows:

### Inhalation of Fugitive Dust – GI System

$$\text{ADD} = \frac{(\text{EPC}) * 1.5 * (\text{Inhalation Rate}) * \text{RAF} * (\text{Exposure Duration}) * (\text{Exposure Frequency}) * (\text{Exposure Period}) * \text{PM}_{10}}{(\text{Body Weight}) * (\text{Averaging Period})}$$

### Inhalation of Fugitive Dust – Respiratory System

$$\text{ADD} = \frac{(\text{EPC}) * 0.5 * (\text{Inhalation Rate}) * \text{RAF} * (\text{Exposure Duration}) * (\text{Exposure Frequency}) * (\text{Exposure Period}) * \text{PM}_{10}}{(\text{Body Weight}) * (\text{Averaging Period})}$$

Exposure assumptions and the specific equations used to calculate ADDs are provided in the Spreadsheet and Shortform included in Attachment 1. The ADD values calculated for subchronic exposures were compared to the toxicity values (e.g., RfDs, RfCs, and SFs) discussed in Section 3. This comparison provides a numerical estimate of the levels



of risk and the potential for adverse health effects to occur due to exposure to COPCs, as described in Section 3.

### **3.0 DOSE-RESPONSE ASSESSMENT**

The Dose-Response Assessment utilizes published literature describing epidemiological (i.e., human) or toxicological (i.e., laboratory animal) studies to evaluate the potential non-carcinogenic and carcinogenic responses associated with exposure to doses of the selected COPCs. The information from the Dose-Response Assessment is used in conjunction with information from the Exposure Assessment (Section 2) to estimate the risk and hazard generated by each COPC from an exposure (Section 4).

#### **3.1 Non-Carcinogenic Dose-Response Assessment**

The toxicity values used in this Dose-Response Assessment of COPCs are the Reference Doses (RfDs) for oral and dermal exposures and Reference Concentrations (RfCs) for inhalation exposures. RfD and RfC values provide an estimate of the daily dose of the COPC to which an individual may be exposed without an appreciable risk of adverse health effects (including organ damage or reproductive effects) appearing during their lifetime. RfD and RfC values assume that a threshold dose exists below which there will be minimal risk for adverse effects to occur.

The subchronic RfD and RfC values used for IH Evaluations are based on defined, less than lifetime exposures, and are approximate doses derived from an available No Observed Adverse Effect Level (NOAEL) or the Lowest Observed Adverse Effect Level (LOAEL). Subchronic toxicity values are appropriate for use in evaluating risks to park visitors for an IH situation, who are assumed to be exposed for a maximum of five years rather than their entire lifetime.

RAFs are used to account for differences between the method of administration in the study on which the RfD is based and the applicable routes of exposure. These values vary with the medium and route of exposure.

The RfD and RfC values used in this IH Evaluation are those values used by MassDEP in the 2015 Shortforms (MassDEP, 2015). Subchronic RfDs and RfCs and medium-specific RAFs are listed in the spreadsheet and Shortform documentation (Attachment 1).

#### **3.2 Carcinogenic Dose-Response Assessment**

The U.S. EPA has developed a system for classifying chemicals according to the likelihood that the compound is a human carcinogen. This system groups contaminants into five classes based upon the weight-of-evidence (of carcinogenicity) of the available data. Per MassDEP risk characterization guidelines (Section 10.2.3 of MassDEP, 1995), class A, B, and C carcinogens are evaluated in a Method 3 risk characterization. The oral slope factors (SFs) and inhalation unit risks (URs) used in this risk characterization are those values used by MassDEP in the 2015 Shortforms (MassDEP, 2015).

Carcinogenic toxicity values (SFs) are presented in the Spreadsheet and Shortform documentation (Attachment 1).

## 4.0 RISK CHARACTERIZATION

To characterize the risk of harm to human health from potential exposures to soil, carcinogenic and non-carcinogenic risks were calculated for the young child recreational visitor, and the cumulative receptor risk values were compared to the MassDEP IH Risk Limits to assess whether an IH exists.

To estimate non-carcinogenic hazards, the Hazard Quotient was calculated by dividing the ADD computed in the Exposure Assessment (Section 2) by the RfD or RfC identified in the Dose-Response Assessment (Section 3). The cumulative Hazard Index (HI) was subsequently calculated by summing the hazard quotients for the exposure pathways applicable to the receptor. The HI for the COPCs is compared to the MCP Non-Carcinogenic Risk Limit of 1 for compounds with the potential to cause serious effects (e.g., lead) and to an HI of 10 for all other COPCs (310 CMR 40.0955(2)(c)) to establish whether an IH exists.

To calculate the Excess Lifetime Cancer Risk (ELCR), the Lifetime Average Daily Dose (LADD) estimated in the Exposure Assessment is multiplied by the SF or UR identified in the Dose-Response Assessment. The Total Cancer Risk for the receptor is subsequently computed by summing the ELCR values for the exposure pathways applicable to the receptor. The Total Cancer Risk is then compared to the Total Cancer Risk Limit of  $1E-05$  (310 CMR 40.0955(2)(b)) to establish whether an IH exists.

Table 2 presents a summary of the total risks and hazards for the recreational visitor. Individual COPC, pathway and route-specific HQs and ELCRs are shown in Attachment 1. As shown on Table 2 and in Attachment 1, HIs and ELCRs for the recreational visitor do not exceed MassDEP Risk Limits for an IH. The total ELCR is less than  $1E-05$  and the total HI is less than 10.

## **5.0 IMMEDIATE HAZARD EVALUATION CONCLUSIONS**

HIs and ELCRs for the recreational visitor do not exceed the MassDEP Risk Limits for an IH. The total ELCR is less than 1E-05 and the total HI is less than 10. Therefore, the concentrations of the COPCs detected in Site soil do not present an IH.

The IH Evaluation was conducted in a manner consistent with the MCP, including as specified at 310 CMR 40.0426, 310 CMR 40.0951 through 40.0955, and in MassDEP's Guidance for Disposal Site Risk Characterization (MassDEP, 1995 and updates).

## 6.0 REFERENCES

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- Massachusetts Department of Environmental Protection (MassDEP), 2002a. Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil. Final Technical Update. May 2002.
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- Massachusetts Department of Environmental Protection (MassDEP), 2014. Spreadsheets Detailing the Development of the MCP Numerical Standards. <http://www.mass.gov/dep/cleanup/laws/mcpsprds.zip>. June 2014.
- Massachusetts Department of Environmental Protection (MassDEP), 2015. Shortforms for Human Health Risk Assessment under the MCP, Shortform Version 10-12, Vlookup Version 0315.

# **TABLES**

**Table 1. Soil Exposure Point Concentrations -- Location B-603  
82 Bridge Street  
Weymouth, Massachusetts**

		Sample Location: <b>B-603</b>				EPC	EPC Rationale	
		Sample Name: B-603 (0-1)						
		Lab Sample ID: L2102136-06						
		Sample Depth: 0-1 ft						
		Sample Date: 01/12/2021						
Analysis	Analyte	Unit	S-1/GW-2	S-1/GW-3	Background			
<b>EPH</b>								
	C11-C22 Aromatics	mg/kg	1,000	1,000	NA	11.5	11.5	Maximum
<b>Metals, total</b>								
	Arsenic	mg/kg	20	20	20	<b>61.4</b>	61.4	Maximum
	Barium	mg/kg	1,000	1,000	50	73.0	73	Maximum
	Beryllium	mg/kg	90	90	0.4	1.50	1.5	Maximum
	Chromium	mg/kg	100	100	30	11.4	NA	Below background
	Lead	mg/kg	200	200	100	22.5	NA	Below background
	Mercury	mg/kg	20	20	0.3	0.091	NA	Below background
	Nickel	mg/kg	600	600	20	13.7	NA	Below background
	Vanadium	mg/kg	400	400	30	48.0	48	Maximum
	Zinc	mg/kg	1,000	1,000	100	22.4	NA	Below background

**Notes:**

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Not applicable or not available.

**Values shown in bold and shaded type exceed one or more of the listed MassDEP criteria.**

EPH - Extractable Petroleum Hydrocarbons.

EPC - Exposure Point Concentration.

Background - MassDEP Natural Soil Background Concentration.



**Table 2**  
**Summary of Risks and Hazards**  
**82 Bridge Street**  
**Weymouth, Massachusetts**

	HI	ELCR
	<b>PARK VISITOR</b> (0 to 1-foot interval)	
<b>B-603 Soil:</b>		
Incidental Ingestion	4E-01	6E-06
Dermal Contact	2E-01	3E-06
Inhalation of Fugitive Dus	4E-02	2E-07
Total	6E-01	8E-06

**Notes:**  
HI - Hazard Index  
ELCR - Excess Lifetime Cancer Risk

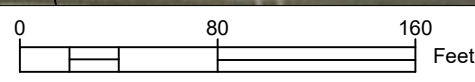
# FIGURE



INSETS B-603 AND UU-2

INSET UU-5

INSET UU-4



**General Notes**

1. THE PROPERTY LINES SHOWN ON THIS PLAN ARE A COMBINATION OF FIELD EVIDENCE, RECORD PLANS AND GIS.
2. THE EXISTING CONDITIONS SHOWN ON THIS PLAN WERE THE RESULT OF AN ON THE GROUND SURVEY PERFORMED IN AUGUST 2014 AND SUPPLEMENTED IN JUNE 2020.
3. HORIZONTAL DATUM IS BASED ON UTM 19 PROJECTIONS, NAD 1983. VERTICAL DATUM IS BASED ON GPS OBSERVATION IN NAVD 88.
4. THE COASTAL BANK SHOWN ON THIS PLAN WAS DELINEATED IN THE WINTER OF 2015 BY TRC ENVIRONMENTAL CORP. AND FIELD SURVEYED BY VHB IN DECEMBER OF 2015.

- - - EXTENT OF SITE ADDRESSED BY IMMEDIATE RESPONSE ACTION.
- SAMPLE LOCATION NOT ANALYZED
- SURFACE SOIL SAMPLE LOCATION AND NUMBER
- SAMPLE LOCATION WITH ARSENIC > 40 MG/KG IN 0-1' OR 0-3' INTERVAL
- ⊕ BORING LOCATION AND NUMBER
- ⊕ UNDERGROUND UTILITY SAMPLE LOCATION AND NUMBER
- ⊠ TEST PIT LOCATION AND NUMBER
- MEAN HIGH WATER

<b>PROJECT:</b>	
<b>82 BRIDGE STREET WEYMOUTH, MASSACHUSETTS</b>	
<b>TITLE:</b>	
<b>SOIL SAMPLE LOCATION PLAN</b>	
DRAWN BY: MAN	PROJ NO.: 414883
CHECKED BY: JS	<b>FIGURE 1</b>
APPROVED BY: JD	
DATE: FEB. 2021	
650 Suffolk Street Suite 200 Lowell, MA 01854 Phone: 978.970.5600	
FILE NO.: SOIL SAMPLE LOCATION PLAN_2021_02_15.dwg	

## **ATTACHMENT 1**

### **RISK CALCULATION SPREADSHEET AND SHORTFORM**

**Table 1**  
**Park Visitor - Young Child**  
**Inhalation of Fugitive Dusts - Exposure Via the Lungs**  
**82 Bridge Street**  
**Weymouth, Massachusetts**

Constituent	Soil Concentration (mg/kg)	Exposure Estimates		Toxicity Values		Risk Estimates		
		LAD <sub>E</sub> <sub>inh</sub> Cancer (ug/m <sup>3</sup> )	ADE <sub>inh</sub> Noncancer (ug/m <sup>3</sup> )	Unit Risk Factor (Inh) (ug/m <sup>3</sup> ) <sup>-1</sup>	Chronic Noncancer Reference Conc. (Inh) (ug/m <sup>3</sup> )	Cancer Risk (-)	Hazard Quotient (-)	
<b>Petroleum Fractions</b>								
C11-C22	C11-C22 Aromatics	1.2E+01	9.0E-06	1.3E-04	NA	5.0E+01	NA	2.5E-06
<b>Metals</b>								
7440-38-2	Arsenic	6.1E+01	4.8E-05	6.7E-04	3.0E-03	2.0E-02	1E-07	3.4E-02
7440-39-3	Barium	7.3E+01	5.7E-05	8.0E-04	NA	5.0E-01	NA	1.6E-03
7440-41-7	Beryllium	1.5E+00	1.2E-06	1.6E-05	2.4E-03	2.0E-02	3E-09	8.2E-04
7440-62-2	Vanadium	4.8E+01	3.8E-05	5.3E-04	NA	1.0E+00	NA	5.3E-04

NA = Not Applicable

Where:

LAD<sub>E</sub>cancer = (OHM x 0.5 X PM10 x IR x RAF x EF x ED x EP x UC1 / (AP<sub>cancer</sub> x BW)) x (BW/IR)  
 ADE<sub>non-cancer</sub> = (OHM x 0.5 X PM10 x IR x RAF x EF x ED x EP x UC1 / AP<sub>non-cancer</sub> x BW) x (BW/IR)  
 Cancer Risk = LAD<sub>E</sub>cancer x Cancer Slope Factor  
 Hazard Quotient = ADE<sub>non-cancer</sub> / Reference Dose

Cancer Risk	1.47E-07
Hazard Index	3.7E-02
<b>TOTAL:</b>	

Respirable Dust (PM<sub>10</sub>) = 60 ug/m<sup>3</sup> [2]  
 Relative Absorption Factor = 1 unitless  
 Inhalation Rate (IR) - Non = 14.8 l/min [4] - heavy exertion; 1-6 year old; average of male/female  
 Inhalation Rate (IR) - Can = 14.8 l/min [4] - heavy exertion; 1-6 year old; average of male/female  
 Exposure Frequency (EF) = 0.43 event/day [1] - 3 days/week for 30 weeks  
 Exposure Frequency (EF) = 0.43 event/day [1] - 3 days/week for 30 weeks  
 Exposure Duration (ED) = 4 hours/event [3]  
 Exposure Period (EP) - Non = 210 days [1]  
 Exposure Period (EP) - Can = 1825 days [1]  
 Body Weight (BW) - Non = 14.6 kg (1-6 year old)[1]  
 Body Weight (BW) - Can = 14.6 kg (1-6 year old) [1]  
 Averaging Period Cancer = 25550 days [1]  
 Averaging Period Noncan = 210 days [1]  
 Inhalation Rate assumed (IR) = 20 m<sup>3</sup>/day [2] - for adjustment of toxicity value  
 Body Weight (BW) assumed = 70 kg [2] - for adjustment of toxicity value  
 Unit Conversion (UC) = 6.00E-11 (60 min/hour; 1x 10<sup>-9</sup> kg/ug; 0.001 m<sup>3</sup>/l)

[1] MassDEP, 2015; Park Visitor IH Soil Short-form  
 [2] MassDEP, 2008; Characterization of Risk Due to Inhalation of Particulates by Construction Workers  
 [3] Professional Judgment  
 [4] Guidance for Disposal Site Risk Characterization; MassDEP, 1995

**Table 2**  
**Park Visitor - Young Child**  
**Inhalation of Fugitive Dusts - Exposure Via the GI Tract**  
**82 Bridge Street**  
**Weymouth, Massachusetts**

Constituent	Soil Concentration (mg/kg)	Exposure Estimates				Toxicity Values		Risk Estimates	
		RAF Cancer Ing (-)	LADD <sub>GI-Inh</sub> Cancer (mg/kg-day)	RAF Noncancer Ing (-)	ADD <sub>GI-Inh</sub> Noncancer (mg/kg-day)	Cancer Slope Factor (Oral) (mg/kg-day) <sup>-1</sup>	Chronic Noncancer Reference Dose (Oral) (mg/kg-day)	Cancer Risk (-)	Hazard Quotient (-)
Petroleum Fractions									
C11-C22 Aromatics	1.2E+01	NC	NA	3.00E-01	4.32E-08	NA	3.0E-01	NA	1.4E-07
Metals									
7440-38-2 Arsenic	6.1E+01	5.0E-01	2.74E-08	5.00E-01	3.84E-07	1.5E+00	3.0E-04	4E-08	1.3E-03
7440-39-3 Barium	7.3E+01	NC	NA	1.00E+00	9.13E-07	NA	7.0E-02	NA	1.3E-05
7440-41-7 Beryllium	1.5E+00	NC	NA	1.00E+00	1.88E-08	NA	5.0E-03	NA	3.8E-06
7440-62-2 Vanadium	4.8E+01	NC	NA	1.00E+00	6.01E-07	NA	9.0E-03	NA	6.7E-05

NA = Not Applicable

Where:

LADD<sub>cancer</sub> = (OHM x 2.0 X PM10 x IR x RAF x EF x ED x EP x UC1 / (AP<sub>cancer</sub> x BW))  
 ADDE<sub>non-cancer</sub> = (OHM x 2.0 X PM10 x IR x RAF x EF x ED x EP x UC1 / AP<sub>non-cancer</sub> x BW)  
 Cancer Risk = LAD<sub>cancer</sub> x Cancer Slope Factor  
 Hazard Quotient = AD<sub>non-cancer</sub> / Reference Dose

	Cancer Risk	Hazard Index
<b>TOTAL:</b>	4.1E-08	1.4E-03

**Bold** = Cancer Risk >1.0E-05 or Hazard Quotient > 1.0E+00

Respirable Dust (PM<sub>10</sub>) = 60 ug/m3 [2]  
 Inhalation Rate (IR) - Noncar 14.8 l/min [4] - heavy exertion; 1-6 year old; average of male/female  
 Inhalation Rate (IR) - Cancer 14.8 l/min [4] - heavy exertion; 1-6 year old; average of male/female  
 Exposure Frequency (EF) - N 0.43 event/day [1] - 3 days/week for 30 weeks  
 Exposure Frequency (EF) - C 0.43 event/day [1] - 3 days/week for 30 weeks  
 Exposure Duration (ED) = 4 hours/event [3]  
 Exposure Period (EP) - Nonc 210 days [1]  
 Exposure Period (EP) - Canc 1825 days [1]  
 Body Weight (BW) - Noncan 14.6 kg (1-6 year old)[1]  
 Body Weight (BW) - Cancer 14.6 kg (1-6 year old) [1]  
 Averaging Period Cancer (AP) 25550 days [1]  
 Averaging Period Noncancer 210 days [1]  
 Unit Conversion (UC1)= 6.00E-11 (60 min/hour; 1x 10<sup>-9</sup> kg/ug; 0.001 m3/l)

[1] MassDEP, 2015; Park Visitor IH Soil Short-form  
 [2] MassDEP, 2008; Characterization of Risk Due to Inhalation of Particulates by Construction Workers  
 [3] Professional Judgment  
 [4] Guidance for Disposal Site Risk Characterization; MassDEP, 1995

**Park Visitor - Soil Imminent Hazard Evaluation: Table PSIH-1 (B-603)**  
**Exposure Point Concentration (EPC)**  
**Based on Visitor Ages 1-6 (Cancer) and 1-2 (Noncancer)**

ShortForm Version 10-12

Vlookup Version v0315

ELCR (all chemicals) = 8.1E-06  
 Subchronic HI (all chemicals) = 6.0E-01

**\*\*Do not insert or delete any rows\*\***

Click on empty cell below and select OHM using arrow.

Oil or Hazardous Material	EPC (mg/kg)	ELCR <sub>ingestion</sub>	ELCR <sub>dermal</sub>	ELCR <sub>total</sub>	Subchronic		
					HQ <sub>ing</sub>	HQ <sub>derm</sub>	HQ <sub>total</sub>
AROMATICS C11 to C22	1.2E+01				4.6E-05	9.0E-05	1.4E-04
ARSENIC	6.1E+01	5.5E-06	2.6E-06	8.1E-06	4.1E-01	1.4E-01	5.5E-01
BARIUM	7.3E+01				4.2E-03	2.4E-03	6.6E-03
BERYLLIUM	1.5E+00				1.2E-03	7.0E-04	1.9E-03
VANADIUM	4.8E+01				2.1E-02	1.2E-02	3.4E-02

**Park Visitor - Soil: Table PSIH-2**  
**Equations to Calculate Cancer Risk for Visitor (Age 1-6 years)**

Vlookup Version v0315

**Cancer Risk from Ingestion**

$$ELCR_{ing} = LADD_{ing} * CSF$$

$$LADD_{ing} = \frac{[OHM]_{soil} * IR_x * RAF_{c-ing} * EF_{ing} * ED * EP * C}{BW * AP_{lifetime}}$$

**Cancer Risk from Dermal Absorption**

$$ELCR_{derm} = LADD_{derm} * CSF$$

$$LADD_{derm} = \frac{[OHM]_{soil} * SA * RAF_{c-derm} * SAF * EF_{derm} * ED * EP * C}{BW * AP_{lifetime}}$$

Parameter	Value	Units
CSF	OHM specific	(mg/kg-day) <sup>-1</sup>
LADD	age/OHM specific	mg/kg-day
[OHM] <sub>soil</sub>	OHM specific	mg/kg
IR	100	mg/day
RAF <sub>c-ing</sub>	OHM specific	dimensionless
RAF <sub>c-derm</sub>	OHM specific	dimensionless
EF <sub>ing,derm</sub>	0.247	event/day
ED	1	day/event
EP	5	years
C	0.000001	kg/mg
BW	14.6	kg
AP <sub>(lifetime)</sub>	70	years
SA	2231	cm <sup>2</sup> /day
SAF	0.35	mg/cm <sup>2</sup>



**Park Visitor - Soil: Table PSIH-3**  
**Equations to Calculate Noncancer Risk for Visitor (Age 1-2 years)**

Vlookup Version v0315

**Noncancer Risk from Ingestion**

$$HQ_{ing} = \frac{ADD_{ing}}{RfD_{subchronic}}$$

$$ADD_{ing} = \frac{[OHM]_{soil} * IR * RAF_{nc-ing} * EF_{ing} * ED * EP * C}{BW * AP}$$

**Noncancer Risk from Dermal Absorption**

$$HQ_{derm} = \frac{ADD_{derm}}{RfD_{subchronic}}$$

$$ADD_{derm} = \frac{[OHM]_{soil} * SA * RAF_{nc-derm} * SAF * EF_{derm} * ED * EP * C}{BW * AP}$$

Parameter	Value	Units
RfD	OHM specific	mg/kg-day
ADD	OHM specific	mg/kg-day
[OHM] <sub>soil</sub>	OHM specific	mg/kg
IR	100	mg/day
RAF <sub>nc-ing</sub>	OHM specific	dimensionless
RAF <sub>nc-derm</sub>	OHM specific	dimensionless
EF <sub>ing,derm</sub>	0.428	event/day
ED	1	day/event
EP	0.577	years
C	0.000001	kg/mg
BW	10.7	kg
AP	0.577	year
SA	1670	cm <sup>2</sup> /day
SAF	0.35	mg/cm <sup>2</sup>

**Park Visitor - Soil: Table PSIH-4  
Definitions and Exposure Factors**

Vlookup Version v0315

Parameter	Value	Units	Notes
ELCR - Excess Lifetime Cancer Risk	chemical specific	dimensionless	Pathway specific (ing =ingestion, derm=dermal)
CSF - Cancer Slope Factor	chemical specific	(mg/kg-day) <sup>-1</sup>	see Table PSIH-5.
LADD - Lifetime Average Daily Dose	chemical specific	mg/kg-day	Pathway specific - see Table PSIH-2.
HQ - Hazard Quotient	chemical specific	dimensionless	Pathway specific (ing =ingestion, derm=dermal) - see Table PSIH-3.
RfD - Reference Dose	chemical specific	mg/kg-day	see Table PSIH-5.
ADD - Average Daily Dose	chemical specific	mg/kg-day	Pathway specific
EPC - Exposure Point Concentration	chemical specific	mg/kg	
IR - Soil Ingestion Rate	100	mg/day	MADEP. 1995. Guidance for Disposal Site Risk Characterization. Appendix Table B-3.
RAF <sub>c</sub> - Relative Absorption Factor for Cancer Effects	chemical specific	dimensionless	Adjusts estimated dose to conform to the relevant CSF. See Table PS-6
RAF <sub>NC</sub> - Relative Absorption Factor for non-Cancer Effects	chemical specific	dimensionless	Adjusts estimated dose to conform to the relevant RfD. See Table PS-6
EF <sub>subchronic</sub> - Exposure Frequency for subchronic exposure	0.428	event/day	3 events/week
EF <sub>lifetime</sub> - Exposure Frequency for chronic or lifetime exposure	0.247	event/day	3 events/week, 30 weeks/year
ED - Exposure Duration	1	day/event	
EP <sub>(1-2)</sub> - Exposure Period for age group 1-2	0.577	years	30 weeks
EP <sub>(1-6)</sub> - Exposure Period for age group 1-6	5	years	
BW <sub>(1-2)</sub> - Body Weight for age group 1-2	10.7	kg	U.S. EPA. 1997. Exposure Factors Handbook. Table 7-7, females.
BW <sub>(1-6)</sub> - Body Weight for age group 1-6	14.6	kg	Ibid
AP <sub>subchronic</sub> - Averaging Period for subchronic noncancer	0.577	years	30 weeks
AP <sub>lifetime</sub> - Averaging Period for cancer/lifetime	70	years	
SA <sub>(1-2)</sub> - Surface Area for age group 1-2	1670	cm <sup>2</sup> /day	50th percentile of face (1/3 head), forearms, hands, lower legs, and feet for females MADEP 1995 Guidance for Disposal Site Risk Characterization, Appendix Table B-2.
SA <sub>(1-6)</sub> - Surface Area for age group 1-6	2231	cm <sup>2</sup> / day	Ibid
SAF - Surface Adherence Factor	0.35	mg <sub>soil</sub> / cm <sup>2</sup>	All SAFs developed for ShortForm according to procedure outlined in MA DEP Technical Update: Weighted Skin-Soil Adherence Factors, April 2002

**Park Visitor - Soil: Table PSIH-5  
Chemical-Specific Data**

Vlookup Version v0315

Oil or Hazardous Material	CSF (mg/kg-day) <sup>-1</sup>	RAF <sub>c-ing</sub>	RAF <sub>c-derm</sub>	Subchronic RfD mg/kg-day	Subchronic RAF <sub>nc-ing</sub>	Subchronic RAF <sub>nc-derm</sub>
AROMATIC C11 to C22				3.0E-01	0.3	0.1
ARSENIC	1.5E+00	0.5	0.03	3.0E-04	0.5	0.03
BARIUM				7.0E-02	1	0.1
BERYLLIUM				5.0E-03	1	0.1
VANADIUM				9.0E-03	1	0.1

## Park Visitor - Soil: Table PSIH-6 Cyanide Calculations

The soil cyanide concentration limit set to protect a child park visitor against an acute, potentially lethal one-time dose of cyanide from incidental ingestion of contaminated soil is 100 mg/kg<sub>soil</sub>. This is the concentration of available cyanide in soil below which acute human health effects would not be expected following a one-time exposure. This soil concentration is calculated using the equation below with a pica-type soil ingestion of 1000 mg<sub>soil</sub> and an available cyanide dose limit of 0.01 mg/kg<sub>body weight</sub>.

MassDEP's guidance on evaluating the risk from a one-time cyanide dose considers cyanide's potentially lethal effects as well as information on cyanide metabolism:

Cyanides are detoxified rapidly by the body, and a large acute dose which overwhelms the detoxification mechanism is potentially more toxic than the same dose distributed over a period of hours. (MassDEP *Background Documentation for the Development of an Available Cyanide Benchmark Concentration*, originally dated October 1992, Modified August 1998)

Assessment of a potential one-time dose requires an estimate of the maximum soil concentration the receptor could contact at any one time. The average soil concentration within a typical exposure area will underestimate the potential one-time dose. Therefore, to assess the acute risk of a one-time potentially lethal dose, the EPC for cyanide should be a conservative estimate of the maximum soil concentration.

**The soil concentration limit to protect park visitors against adverse effects from an acute (one-time) exposure to cyanide is 100 mg/kg.**

### Concentration Calculation for Cyanide

$$\text{Concentration} = \frac{\text{HQ} \times \text{Acute Dose Limit} \times \text{BW}}{\text{IR} \times \text{RAF} \times \text{Conversion Factor}}$$

Parameter	Value	Units
HQ (Hazard Quotient)	1	(unitless)
Acute Dose Limit	0.01	mg avail. CN/ kg BW
BW (Body Weight) <sub>1-2</sub>	10.7	kg
IR <sub>(1-time reasonable max)</sub>	1000	mg
Conversion Factor	1.0E-06	kg soil / mg soil
RAF	1	(unitless)

The toxicological basis for estimating an allowable one-time dose is documented in MassDEP's 1992 *Background Documentation for the Development of an "Available Cyanide" Benchmark Concentration*, which is published at: <http://www.mass.gov/eea/docs/dep/toxics/stypes/dscyanide.pdf>

**APPENDIX D**  
**PUBLIC NOTICES**

**TRC Project No.: 414883**

February 26, 2021

Town of Weymouth  
Mayor's Office  
75 Middle Street  
Weymouth, Massachusetts 02189

Re: Notice of Availability  
Draft Immediate Response Action Completion Report  
82 Bridge Street  
Weymouth, Massachusetts  
Release Tracking Number 4-28676

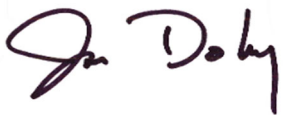
To Whom It May Concern:

TRC Environmental Corporation (TRC) has prepared this notification letter on behalf of Algonquin Gas Transmission, LLC (Algonquin) to inform you of the availability of a Draft Immediate Response Action (IRA) Completion Report for the above-referenced location in Weymouth, Massachusetts. This notification is being provided to you in accordance with the provisions of the Final Public Involvement Plan for Release Tracking Number 4-26230 dated January 30, 2018.

The Draft IRA Completion Report can be reviewed via the MassDEP database at <https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028676>.

Sincerely,

**TRC Environmental Corporation**

A handwritten signature in black ink that reads "Jim Doherty".

James Doherty, PE, LSP  
Senior Hydrogeologist

**TRC Project No.: 414883**

February 26, 2021

Daniel McCormack, R.S., C.H.O.  
Director Weymouth Health Department  
75 Middle Street  
Weymouth, MA 02189

Re: Notice of Availability  
Draft Immediate Response Action Completion Report  
82 Bridge Street  
Weymouth, Massachusetts  
Release Tracking Number 4-28676

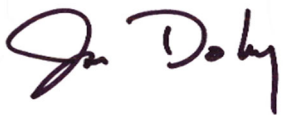
To Whom It May Concern:

TRC Environmental Corporation (TRC) has prepared this notification letter on behalf of Algonquin Gas Transmission, LLC (Algonquin) to inform you of the availability of a Draft Immediate Response Action (IRA) Completion Report for the above-referenced location in Weymouth, Massachusetts. This notification is being provided to you in accordance with the provisions of the Final Public Involvement Plan for Release Tracking Number 4-26230 dated January 30, 2018.

The Draft IRA Completion Report can be reviewed via the MassDEP database at <https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028676>.

Sincerely,

**TRC Environmental Corporation**



James Doherty, PE, LSP  
Senior Hydrogeologist



650 Suffolk St., Suite 200  
Lowell, MA 01854

T 978.970.5600  
TRCcompanies.com

**TRC Project No.: 414883**

February 26, 2021

Public Involvement Plan Mailing List

Re: Notice of Availability  
Draft Immediate Response Action Completion Report  
82 Bridge Street  
Weymouth, Massachusetts  
Release Tracking Number 4-28676

SENT VIA ELECTRONIC MAIL

To Whom It May Concern:

TRC Environmental Corporation (TRC) has prepared this notification letter on behalf of Algonquin Gas Transmission, LLC (Algonquin) to inform you of the availability of a Draft Immediate Response Action (IRA) Completion Report for the above-referenced location in Weymouth, Massachusetts. This notification is being provided to you in accordance with the provisions of the Final Public Involvement Plan for Release Tracking Number 4-26230 dated January 30, 2018.

The Draft IRA Completion Report can be reviewed via the MassDEP database at <https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028676>.

Sincerely,

**TRC Environmental Corporation**

A handwritten signature in black ink that reads "Jim Doherty". The signature is written in a cursive, slightly slanted style.

James Doherty, PE, LSP  
Senior Hydrogeologist



## LEGAL NOTICE

**NOTICE OF PUBLIC INVOLVEMENT PLAN MEETING FOR  
54-56 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0026230)  
90 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0028615)  
82 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0028676)**

A release of oil and/or hazardous materials was identified at the above-referenced locations, which is a disposal site as defined by M.G.L. c. 21E, § 2 and the Massachusetts Contingency Plan, 310 CMR 40.0000 (the Site) and which is subject to a Public Involvement Plan (PIP).

On April 7, 2021 between the hours of 6:30 pm and 9:00 pm a virtual public meeting will be held to receive comments on a Draft Release Abatement Measure (RAM) Completion Report for the Site dated February 2021, a Draft Immediate Response Action (IRA) Completion Report for RTN 4-0028615 associated with the Site dated February 2021, and a Draft IRA Completion Report for RTN 4-0028676 associated with the Site dated February 2021.

The continuing COVID-19 State of Emergency makes impossible certain actions specified in the PIP. In consultation with the Massachusetts Department of Environmental Protection (MassDEP), and consistent with COVID-19 public involvement guidance issued by MassDEP, Algonquin has taken the following steps to facilitate the public's review of, and comment on, the Draft RAM Completion Report and Draft IRA Completion Reports despite the continuing COVID-19 State of Emergency: (1) the Draft RAM Completion Report for the Algonquin Site is available and can be viewed electronically at <https://eeonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0026230>; the Draft IRA Completion Report for RTN 4-0028615 is available and can be viewed electronically at <https://eeonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028615>; and the Draft IRA Completion Report for RTN 4-0028676 is available and can be viewed electronically at <https://eeonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028676>; (2) a virtual meeting to present the Draft RAM Completion Report and Draft IRA Completion Reports and to receive public comments on them will be held on ZOOM on April 7, 2021 between the hours of 6:30 pm and 9:00 pm. The public can join the ZOOM meeting by computer at <https://trccompanies.zoom.us/j/97927528994> or by calling 1 929-436-2866 Webinar ID: 979 2752 8994. Additional information on joining and participating in the meeting can be found at: <https://www.trccompanies.com/insights/weymouth-pip/>; (3) hard copies of the Draft RAM Completion Report and/or the Draft IRA Completion Reports will be delivered by U.S. Mail or electronic mail upon request to James Doherty, PE, LSP, at TRC Environmental Corporation, 650 Suffolk Street, Lowell, MA 01854 or by emailing [WeymouthCompressorStation@trccompanies.com](mailto:WeymouthCompressorStation@trccompanies.com); and (4) written comments or questions about the Draft RAM Completion Report and/or Draft IRA Completion Reports may be delivered to James Doherty, PE, LSP, at TRC Environmental Corporation, 650 Suffolk Street, Lowell, MA 01854; [WeymouthCompressorStation@trccompanies.com](mailto:WeymouthCompressorStation@trccompanies.com) no later than May 4, 2021.

Additional information on participating in this PIP meeting can be obtained at: <https://www.trccompanies.com/insights/weymouth-pip/>.

## 法律公告

## 公众参与计划会议通知

**54-56 BRIDGE STREET, WEYMOUTH, MA (发布追踪编码 (RTN) 4-0026230)  
90 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0028615)  
82 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0028676)**

我们已确认在上述地点进行石油和/或危险物质的排放, 该地点是 M.G.L. c. 21E, § 2 和马萨诸塞州应急计划 310 CMR 40.0000 (该地点) 定义的处理地点, 并受公众参与计划 (PIP) 的约束。

2021 年 4 月 7 日下午 6:30 到晚上 9:00 之间将举行一次虚拟的公开会议, 以获取与 2021 年 2 月该地点减排措施 (RAM) 完成报告草案、2021 年 2 月与该地点相关的 RTN 4-0028615 即刻响应行动 (IRA) 完成报告草案, 以及 2021 年 2 月与该地点相关的 RTN 4-0028676 IRA 完成报告草案相关的意见。

持续的 COVID-19 紧急状态使得 PIP 中指定的某些行动无法实现。经与马萨诸塞州环境保护部 (MassDEP) 协商, 并依循 MassDEP 发布的 COVID-19 公众参与指南, 尽管 COVID-19 紧急状态仍在继续, 但 Algonquin 已采取以下措施来促进公众对 RAM 完成报告草案和 IRA 完成报告草案的审查和评论: (1) 电子版 Algonquin 地点 RAM 完成报告草案可在

<https://eeonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0026230> 获取和查阅; 电子版本的 RTN 4-0028615 IRA 完成报告草案可以在

<https://eeonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028615> 获取和查阅; 电子版本的 RTN 4-0028676 IRA 完成报告草案可在

<https://eeonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028676> 获取和查阅; (2) 将于 2021 年 4 月 7 日下午 6:30 至晚上 9:00 之间通过 ZOOM 举行虚拟会议, 届时将展示 RAM 完成报告草案和 IRA 完成报告草案, 并听取公众意见。公众可以使用电脑通过

<https://trccompanies.zoom.us/j/97927528994> 或致电 1 929-436-2866 参与 ZOOM 会议, 在线会议 ID: 979 2752 8994。有关加入和参与会议的其他信息请使用以下网址获取:

<https://www.trccompanies.com/insights/weymouth-pip/>; (3) 可应要求以美国邮政或电子邮件的方式寄送完成报告草案和/或 IRA 完成报告草案的纸质版本, 方式是通过 James Doherty, PE, LSP, at TRC Environmental Corporation, 650 Suffolk Street, Lowell, MA 01854 申请或发送电子邮件至

[WeymouthCompressorStation@trccompanies.com](mailto:WeymouthCompressorStation@trccompanies.com); 以及 (4) 关于 RAM 完成报告草案和/或 IRA 完成报告草案的书面意见或疑问可寄送至 James Doherty, PE, LSP, at TRC Environmental Corporation, 650 Suffolk Street, Lowell, MA 01854; 或发送电子邮件至

[WeymouthCompressorStation@trccompanies.com](mailto:WeymouthCompressorStation@trccompanies.com), 时间为 2021 年 5 月 4 日之前。

有关参与此 PIP 会议的其他信息, 请登录 <https://www.trccompanies.com/insights/weymouth-pip/> 获取。

NW-CN13949272

## THE ADDICTED GARDENER



**Bloodroot** ILLUSTRATION COURTESY OF ELIZABETH ELLISON

## The flowers of early spring

**Donna Lane**

Columnist

Special to Wicked Local | USA TODAY NETWORK

Spring ephemerals will be poking their heads out of the ground very soon. If you aren't paying attention, you may miss them. That's how fleeting some of them are.

Spring ephemerals are early herbaceous flowering plants that produce leaves, bloom and then set seed quickly after snowmelt in the spring. Spring ephemerals are natives found in deciduous forests. They take advantage of sunlight that reaches the ground before the trees have leaved out. The spring ephemeral flowers provide the much-needed first nectar and pollen of the season for over-wintering pollinators. By the time the trees have filled out, the spring ephemerals are already dying back and going dormant.

We don't get to see a lot of native ephemerals in the wild anymore, which may account for their growing popularity at native plant gardens, their protected status in woodland preserves, and new commercial trends towards more native plant nurseries. Still, if you take a walk through the woods in the next few weeks, you just might see some of these beauties.

The first one that comes up in my garden is *Sanguinaria canadensis*, more commonly known as bloodroot. It produces 2-inch wide delicate pink or white blooms in mid-March through April. It prefers damp soil, but it can be naturalized in dry areas under trees (which is where mine is planted) as long as you water it well its first year. Mine is growing at the edge of my woodland garden where it receives partial shade. It can also tolerate full shade but it needs well-drained soil.

My all-time favorite ephemeral is *Erythronium americanum*, known by many other names including yellow trout lily, yellow adder's tongue, yellow fawn lily and yellow dog-tooth violet. Best grown in moist, acidic, humusy soils in part shade to full shade, plants can be grown from seed, but will not flower for four-five years. Quicker results can be obtained from planting corms that are sold by bulb suppliers

and nurseries. Offsets from mature plants can also be harvested and planted. Plant corms 2-3 inches deep and 4-5 inches apart in fall. Corms of this species produce stolons, and plants will slowly spread to form large colonies if left undisturbed in optimum growing conditions. The showy yellow lily-formed flowers are about 6 inches tall.

My trout lilies have never naturalized because the soil is drier than the plant likes. If you do plant in a dry area, make sure the plants receive adequate water during the first growing season, but don't saturate the soil or the corms will rot. These native plants don't transplant well and should be left alone if found in the woods. The beautiful spotted foliage disappears by late spring when the plant goes dormant.

Trillium erectum, aka wake robin or red trillium, is another spring ephemeral that is associated with woodlands, primarily those dominated by *Acer saccharum* (sugar maple) and *Fagus grandifolia* (American beech) trees. This wildflower is also being cultivated in shade gardens. It prefers dappled sunlight or light shade during the spring, followed by shade during the summer. The soil should be moist and contain loam with decaying organic matter. It takes a long time for this trillium to mature from seed (typically 5-10 years), so plants are your best alternative for acquisition. Wake robin blooms from mid-to late-spring for about two-three weeks. The flowers often have an unpleasant aroma. After flowering, the ovary matures into a dark maroon fruit. The foliage dies down later in the summer. The plant spreads via its rhizomatous roots.

Luckily there are several specialized commercial nurseries in different regions of the U.S. that propagate native bulbs and provide growing instructions for these early spring plants. Here are a few in the Northeast: Edge of the Woods Plant Nursery ([edgeofthewoodsnursery.com](http://edgeofthewoodsnursery.com)); Prairie Nursery ([prairienursery.com](http://prairienursery.com)); Amanda's Native Perennial Garden ([amandasnativeplants.com](http://amandasnativeplants.com)); and Plant Delights Nursery ([plantdelights.com](http://plantdelights.com)).

You can reach Donna at [AddictedGardener@verizon.net](mailto:AddictedGardener@verizon.net).

## Prairies

Continued from Page 8A

bee that must nest in the ground. It's universe is defined by how far it can fly and forage out from that little space. The universe is a circle, perhaps 50 or 100 yards. If there is a variety of different flowers, it could have a successful nest. But if somebody cuts hay on the prairie, the digger bee's universe would be wiped out!

Pop: Helzer has been in Nebraska for two decades working for TNC to defragment the landscape and get the plant species back in a way that animals can use them for a habitat. TNC has been able to do that, for example with the Platte River prairies. More than 1,500 acres of conversion from cropland to prairies has been accomplished with seed mixes of between 150 and 200 plant species.

Unfortunately, the organic matter in the soil does not get restored very well. It's going to be centuries to build what was lost by just a few years of farming. But the wound has been patched and stitched together to be functional.

There is optimism for the future of prairies and the animals that live there. Helzer says that prairies are incredibly resilient ecosystems. The Dust Bowl in the 1930s wiped away plant species, and two species of grass and weedy plants took over. However about three, four or five years later, the rains came and the prairies came roaring back.

Climate change is clearly the largest threat to prairies at the present, but the fact that they've come back from droughts and other challenges in the past, offers the expectation that the prairies will survive.

The secret is that the plant community must be diverse, and prairies must be connected and large.

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# AstraZeneca COVID vaccine's reputation marred by missteps

By Maria Cheng  
ASSOCIATED PRESS

LONDON – AstraZeneca's release Monday of encouraging data about its coronavirus vaccine from its U.S. trial raised hopes that the drug company could put a troubled rollout behind it. But just hours after its announcement, American officials issued an unusual statement expressing concern the company had included "outdated information" from its study and that it may have provided "an incomplete view of the efficacy data."

Coupled with earlier missteps in reporting data and a recent blood clot scare, experts said the new stumble could cause lasting harm to the shot that is key to global efforts to stop the pandemic and erode vaccine confidence more broadly.

"I doubt it was (U.S. officials') intention to deliberately undermine trust in the AstraZeneca vaccine," said Dr. Paul Hunter, a professor of medicine at the University of East Anglia. "But this will likely cause more vaccine hesitancy."

AstraZeneca said Tuesday that the results it released a day earlier included information through Feb. 17 but appeared to be consistent with more up-to-date data. It promised an update within 48 hours. Those results showed its shot was about 79 percent effective in stopping symptomatic COVID-19 and that there were no severe illnesses or hospitalizations among vaccinated volunteers, compared with five such cases in participants who received dummy shots.

The back-and-forth over the latest release is not the first time the company has run into problems.

Partial results from its first major trial – which Britain used to authorize the vaccine – were clouded by a manufacturing mistake that researchers didn't immediately acknowledge. Insufficient data about how well the vaccine protected older people led some countries to initially restrict its use to younger populations before reversing course. And U.S. officials suspended an AstraZeneca study for an unusual six weeks while they sought details about problems reported in Britain before deciding the vaccine wasn't to blame.

Then last week, more than a dozen countries temporarily halted their use of the AstraZeneca shot after reports of rare blood clots in some people who received it. The European Medicines Agency concluded the shot did not increase the overall incidence of clots, but the unwanted attention appears to have left a mark.

In Norway, a top official warned on Monday it might not be able to resume its use of the vaccine because so many people were rejecting it. "People clearly say that they do not want the AstraZeneca vaccine," Marte Kvittum Tangen, who heads a Norwegian doctors' association, told broadcaster NRK.

Last week in Bucharest, Romania, vaccination coordinator Valeriu Gheorghita said 33,000 AstraZeneca immunization appointments had been canceled in 24 hours and that about a third of the 10,000 people scheduled to receive the vaccine did not show up. In Belgrade, Serbia, a sprawling exhibition center set up for people to get the AstraZeneca vaccine was mostly deserted on Monday.

# Colorado supermarket shooter identified as 21-year-old man

By Patty Nieberg and Thomas Peipert  
ASSOCIATED PRESS

BOULDER, Colo. – Police on Tuesday identified 21-year-old Ahmad Al Aliwi Alissa as the suspect in the killing of 10 people at a Boulder, Colorado, supermarket.

Authorities also identified nine victims after previously identifying a police officer who had been killed.

The victims ranged in age from 20 to 65, said Boulder Police Chief Maris Herold.

The shooting Monday at the crowded supermarket sent terrorized shoppers and workers scrambling for safety and stunned a state and a nation that has grieved several mass killings.

Herold said police engaged in a shootout with the suspect inside the supermarket and that is when police officer Eric Talley was killed.

The suspect was undergoing treatment at a hospital and was expected to be booked into the county jail later Tuesday, said Boulder County District Attorney Michael Dougherty.

Investigators don't know yet why the suspect opened fire inside the grocery store, Dougherty said. He said the investigation is in the early stages.

A law enforcement official briefed on the shooting told The Associated Press that the gunman used a lightweight semi-automatic AR-15 rifle. Officials were working to trace the gun. The official was not authorized to speak publicly and spoke to AP on condition of anonymity.

Hundreds of police officers from throughout the Denver metropolitan area responded to the Monday afternoon attack, converging on a King Soopers supermarket in a busy shopping plaza in southern Boulder.



HART VAN DENBURG/COLORADO PUBLIC RADIO

People are led out of a King Soopers grocery store after a shooting there Monday in Boulder, Colo.

SWAT officers carrying ballistic shields slowly approached the store as others quickly escorted frightened people away from the building, some of its windows shattered. Customers and employees fled through a back loading dock to safety. Others took refuge in nearby shops.

Officers escorted a shirtless man in handcuffs, blood running down his leg, from the store during the siege. Authorities would not say if he was the suspect. Foothills Hospital in Boulder was treating one person from the shooting scene but declined further comment, said Rich Sheehan,

spokesman for Boulder Community Health, which operates the hospital.

Talley, 51, had been with Boulder police since 2010. He was the first to arrive after responding to a call about shots fired and someone carrying a rifle, she said.

"He was by all accounts one of the outstanding officers of the Boulder Police Department, and his life was cut too short," Dougherty said.

Dozens of police and emergency vehicles, their lights flashing, escorted an ambulance carrying the slain officer from the shooting scene

after nightfall. Some residents stood along the route, their arms raised in salute.

The identities of the other nine victims were not disclosed because police said they were still notifying their family members.

Dougherty said it was too early to speculate on a motive and that the investigation involving local, state and federal law enforcement agencies would take days.

The attack in Boulder, about 25 miles northwest of Denver and home to the University of Colorado, stunned a state that has seen several mass shootings, including the 1999 Columbine High School massacre and the 2012 Aurora movie theater shooting.

Monday's midafternoon attack was the seventh mass killing this year in the U.S., following the March 16 shooting that left eight people dead at three Atlanta-area massage businesses, according to a database compiled by The Associated Press, USA TODAY and Northeastern University.

It follows a lull in mass killings during the coronavirus pandemic in 2020, which had the smallest number of such attacks in eight years, according to the database, which tracks mass killings defined as four or more dead, not including the shooter.

## LEGAL NOTICE

**NOTICE OF PUBLIC INVOLVEMENT PLAN MEETING FOR  
54-56 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0026230)  
90 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0028615)  
82 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0028676)**

A release of oil and/or hazardous materials was identified at the above-referenced locations, which is a disposal site as defined by M.G.L. c. 21E, § 2 and the Massachusetts Contingency Plan, 310 CMR 40.0000 (the Site) and which is subject to a Public Involvement Plan (PIP). On April 7, 2021 between the hours of 6:30 pm and 9:00 pm a virtual public meeting will be held to receive comments on a Draft Release Abatement Measure (RAM) Completion Report for the Site dated February 2021, a Draft Immediate Response Action (IRA) Completion Report for RTN 4-0028615 associated with the Site dated February 2021, and a Draft IRA Completion Report for RTN 4-0028676 associated with the Site dated February 2021. The continuing COVID-19 State of Emergency makes impossible certain actions specified in the PIP. In consultation with the Massachusetts Department of Environmental Protection (MassDEP), and consistent with COVID-19 public involvement guidance issued by MassDEP, Algonquin has taken the following steps to facilitate the public's review of, and comment on, the Draft RAM Completion Report and Draft IRA Completion Reports despite the continuing COVID-19 State of Emergency: (1) the Draft RAM Completion Report for the Algonquin Site is available and can be viewed electronically at <https://eeonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0026230>; the Draft IRA Completion Report for RTN 4-0028615 is available and can be viewed electronically at <https://eeonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028615>; and the Draft IRA Completion Report for RTN 4-0028676 is available and can be viewed electronically at <https://eeonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028676>; (2) a virtual meeting to present the Draft RAM Completion Report and Draft IRA Completion Reports and to receive public comments on them will be held on ZOOM on April 7, 2021 between the hours of 6:30 pm and 9:00 pm. The public can join the ZOOM meeting by computer at <https://trccompanies.zoom.us/j/97927528994> or by calling 1 929-436-2866 Webinar ID: 979 2752 8994. Additional information on joining and participating in the meeting can be found at: <https://www.trccompanies.com/insights/weymouth-pip/>; (3) hard copies of the Draft RAM Completion Report and/or the Draft IRA Completion Reports will be delivered by U.S. Mail or electronic mail upon request to James Doherty, PE, LSP, at TRC Environmental Corporation, 650 Suffolk Street, Lowell, MA 01854 or by emailing [WeymouthCompressorStation@trccompanies.com](mailto:WeymouthCompressorStation@trccompanies.com); and (4) written comments or questions about the Draft RAM Completion Report and/or Draft IRA Completion Reports may be delivered to James Doherty, PE, LSP, at TRC Environmental Corporation, 650 Suffolk Street, Lowell, MA 01854; [WeymouthCompressorStation@trccompanies.com](mailto:WeymouthCompressorStation@trccompanies.com) no later than May 4, 2021. Additional information on participating in this PIP meeting can be obtained at: <https://www.trccompanies.com/insights/weymouth-pip/>.

## 法律公告 公众参与计划会议通知

**54-56 BRIDGE STREET, WEYMOUTH, MA (发布追踪编码 (RTN) 4-0026230)  
90 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0028615)  
82 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0028676)**

我们已确认在上述地点进行石油和/或危险物质的排放，该地点是 M.G.L. c. 21E, § 2 和 马萨诸塞州应急计划 310 CMR 40.0000 (该地点) 定义的处理地点，并受公众参与计划 (PIP) 的约束。

2021 年 4 月 7 日下午 6:30 到晚上 9:00 之间将举行一次虚拟的公开会议，以获取与 2021 年 2 月该地点减排措施 (RAM) 完成报告草案、2021 年 2 月与该地点相关的 RTN 4-0028615 即刻响应行动 (IRA) 完成报告草案，以及 2021 年 2 月与该地点相关的 RTN 4-0028676 IRA 完成报告草案相关的意见。

持续的 COVID-19 紧急状态使得 PIP 中指定的某些行动无法实现。经与马萨诸塞州环境保护部 (MassDEP) 协商，并依循 MassDEP 发布的 COVID-19 公众参与指南，尽管 COVID-19 紧急状态仍在继续，但 Algonquin 已采取以下措施来促进公众对 RAM 完成报告草案和 IRA 完成报告草案的审查和评论：(1) 电子版本 Algonquin 地点 RAM 完成报告草案可在 <https://eeonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0026230> 获取和查阅；电子版本的 RTN 4-0028615 IRA 完成报告草案可以在 <https://eeonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028615> 获取和查阅；电子版本的 RTN 4-0028676 IRA 完成报告草案可在 <https://eeonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028676> 获取和查阅；(2) 将于 2021 年 4 月 7 日下午 6:30 至晚上 9:00 之间通过 ZOOM 举行虚拟会议，届时将展示 RAM 完成报告草案和 IRA 完成报告草案，并听取公众意见。公众可以使用电脑通过 <https://trccompanies.zoom.us/j/97927528994> 或致电 1 929-436-2866 参与 ZOOM 会议，在线会议 ID: 979 2752 8994。有关加入和参与会议的其他信息请使用以下网址获取：<https://www.trccompanies.com/insights/weymouth-pip/>；(3) 可应要求以美国邮政或电子邮件的方式寄送完成报告草案和/或 IRA 完成报告草案的纸质版本，方式是通过 James Doherty, PE, LSP, at TRC Environmental Corporation, 650 Suffolk Street, Lowell, MA 01854 申请或发送电子邮件至 [WeymouthCompressorStation@trccompanies.com](mailto:WeymouthCompressorStation@trccompanies.com)；以及 (4) 关于 RAM 完成报告草案和/或 IRA 完成报告草案的书面意见或疑问可寄送至 James Doherty, PE, LSP, at TRC Environmental Corporation, 650 Suffolk Street, Lowell, MA 01854；或发送电子邮件至 [WeymouthCompressorStation@trccompanies.com](mailto:WeymouthCompressorStation@trccompanies.com)，时间为 2021 年 5 月 4 日之前。

有关参与此 PIP 会议的其他信息，请登录 <https://www.trccompanies.com/insights/weymouth-pip/> 获取。

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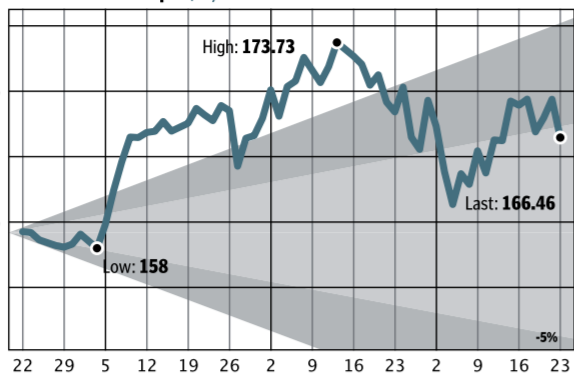
THE BOSTON GLOBE

25

Index of publicly traded companies in Massachusetts

Globe 25 index

Total market cap: \$1,021.0b



Yesterday 166.46 ▼ 2.93 ▼ 1.7% ▲ YTD 4.6%

Table listing top companies in the Globe 25 index, including Thermo Fisher Sci (TMO), Raytheon Technologies Corp (RTX), General Electric (GE), American Tower Corp (AMT), and others, with columns for Price, Chg, % chg, and Market cap (bil).

Powell, Yellen call road back long

►STIMULUS Continued from Page C8

four decades this year.

Still, there are plenty of challenges to getting the elements of the sprawling stimulus law out the door, along with many unresolved questions about how hundreds of billions of dollars allocated by the American Rescue Plan will actually be dispersed.

On Tuesday, a number of lawmakers pushed for more regular oversight of the \$1.9 trillion bill, noting mechanisms put in place after Congress passed the Cares Act last spring.

“Now that we have an additional \$1.9 trillion to track, I would ask for your commitment along those same lines,” Representative Patrick McHenry of North Carolina, the top Republican on the House Financial Services Committee, told Yellen, adding, “That would be encouraging that you’d continue the practice of your predecessor . . . to ensure appropriate oversight.”

Yellen agreed to work with the committee and other oversight groups, and laid out some of the challenges to implementing Biden’s bill. Yellen said earlier rounds of the Paycheck Protection Program often didn’t reach the country’s smallest businesses, especially those in rural and low-income areas.

Rental assistance was frequently tied up in red tape. Many Americans still haven’t received their stimulus checks. “And all this is just a fraction of Treasury’s work,” Yellen told the committee. “There are so many more relief programs, including one that will provide \$350 billion in aid to state and local governments. Implementing all of it is more complicated than it sounds.”

Meanwhile, many Republican lawmakers, Wall Street investors, and prominent economists are worried that the economy won’t be able to absorb a massive stimulus package and postpandemic consumer spending, pushing prices rapidly upward. Their worry is that dangerous cycles of inflation will force the Fed to hike interest rates, triggering a new recession.

“Economic projections are increasingly positive,” McHenry said. But “with the addition of \$1.9 trillion, there’s been a great deal of debate about what will happen with this amount of liquidity in financial markets.”

But the Fed and White House argue that inflation is not a pressing concern. Powell says that there would have to be substantial progress in the labor market before the Fed considers raising rates. Any price increases resulting from the economy reopening and people spending big on vacations or concert tickets will be temporary, he has said.

“Our best view is that the effect on inflation will be neither particularly large nor persistent,” Powell said Tuesday. “We’ve been living in a world of strong disinflationary pressures around the world really for a quarter of a century. We don’t think a one-time surge in spending leading to temporary price increase would disrupt that.”

Lawmakers pressed Powell and Yellen on a range of other issues, from the regulators’ research on digital currencies to banking regulations. Of particular focus was climate policy, which the Biden White House has made core to its agenda. The Fed increasingly points to climate risk as a threat to the financial system and financial stability.

As Powell and Yellen testified on Tuesday, Fed governor Lael Brainard said that the central bank is launching a Financial Stability Climate Committee, which will work closely with another Fed team focused on banks’ resilience to climate change.

Republicans in Congress have warned the Fed against delving too deeply into climate issues. They argue that climate policy is part of progressives’ political agenda and not the purview of the central bank.

Yellen and Powell will appear before the Senate Banking Committee on Wednesday.

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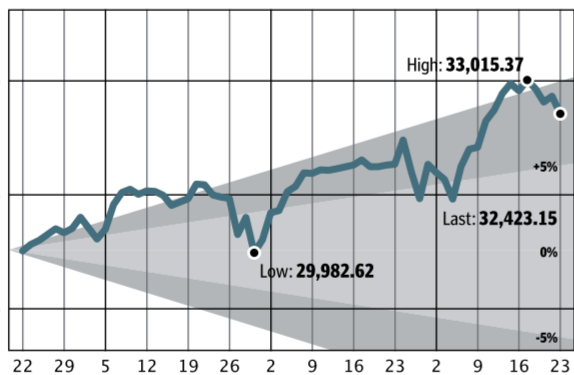
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Markets

Stocks fall amid virus worries

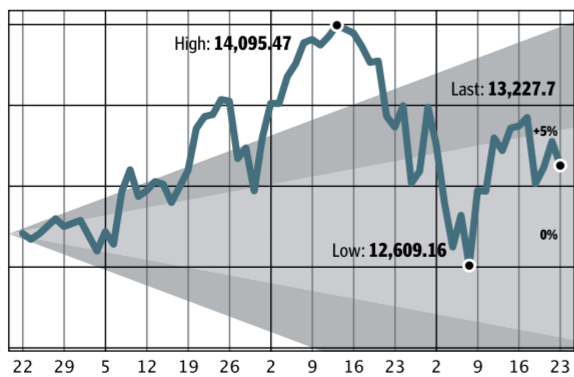
US equities fell, with companies that would benefit from an end to lockdowns faring the worst, amid concern that rising virus cases and new restrictions in Germany signal the global reopening will be delayed. The S&P 500 slumped and the small-cap Russell 2000 dropped 3.6 percent as beneficiaries of the reopening trade including Carnival and TripAdvisor tumbled.

DOW JONES industrial average



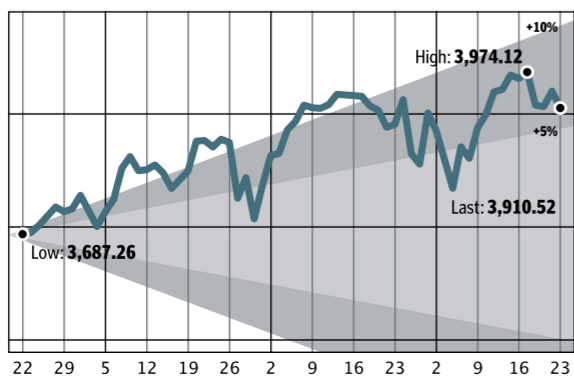
Yesterday 32,423.15 ▼ 308.05 ▼ 0.9% ▲ YTD 5.9%

NASDAQ Composite index



Yesterday 13,227.70 ▼ 149.84 ▼ 1.1% ▲ YTD 2.6%

S&P 500 index



Yesterday 3,910.52 ▼ 30.07 ▼ 0.8% ▲ YTD 1.4%

SOURCE: Bloomberg News

LEGAL NOTICES

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LEGAL NOTICE NOTICE OF PUBLIC INVOLVEMENT PLAN MEETING FOR 54-56 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0028630) 90 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0028615) 82 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0028676)

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Additional information on participating in this PIP meeting can be obtained at https://www.trccompanies.com/insights/weymouth-PIP/.

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LEGAL NOTICES

MORTGAGEE'S NOTICE OF SALE OF REAL ESTATE AND SECURED PARTY NOTIFICATION OF DISPOSITION OF PERSONAL PROPERTY

By virtue and in execution of the Power of Sale contained in that certain Mortgage (the "Mortgage") granted by Hudson 62 Realty LLC (the "Mortgagor") to Northern Bank & Trust Company (the "Mortgagee") dated as of January 10, 2017, and recorded with the Suffolk County Registry of Deeds at Book 57405, Page 197, of which the Mortgagor is the present holder, and pursuant to the security interests and rights granted by the Mortgagor to the Mortgagee under the Mortgage for breach and default of the conditions of the Mortgage and for the purpose of foreclosing the same, the Mortgagee will offer all of the real property described in said Mortgage located at Boston (East Boston), Suffolk County, Massachusetts, further described on Exhibit A annexed hereto and specifically incorporated herein by reference (the "Real Property") and, pursuant to a secured party public sale under Article 9 of the Uniform Commercial Code, together with and not separately from the Real Property, personal property assets of the Mortgagor related to, or used in connection with, the Real Property in which the Mortgagee has been granted a security interest (collectively, the "Mortgaged Property") and together with the Real Property, collectively, the "Mortgaged Property") for sale together at public auction on Wednesday, April 14, 2021, at 10:00 P.M.

TERMS OF SALE: A deposit of ONE HUNDRED AND FIFTY THOUSAND AND 00/100 DOLLARS (\$150,000.00) shall be required to be paid by the highest bidder to the Mortgagee for the Mortgaged Property. The deposit shall be made by certified check or bank cashier's check at the time and place of the Sale as a non-refundable earnest money deposit to be held against the terms of a sales agreement to be entered into with the Mortgagee immediately after the Sale, provided that Mortgagee in its discretion may require the highest bidder to deposit with the Mortgagee the amount of the required deposit as set forth herein within five (5) business days after written notice to the highest bidder to execute a purchase agreement, the highest bidder, (ii) the second highest bidder to execute a sales agreement and/or assume the obligations of the sales agreement executed by the highest bidder, and (iii) the payment of the balance of the purchase price of the Mortgaged Property to the Mortgagee within thirty (30) days of said written notice. In the event of a default under the ESSENCE unless the Mortgagee agrees otherwise, in the event that the highest bidder defaults under such sales agreement and/or fails to execute the sales agreement, the highest bidder shall be deemed to have accepted the highest or second highest bid or sale of the Mortgaged Property by the Mortgagee, as applicable, from its obligations under such sales agreement nor operate as a waiver by the Mortgagee of its remedies against the highest or second highest bidder at the Sale.

THE SALE OF THE MORTGAGED PROPERTY WILL BE OFFERED AND SOLD "AS-IS, WHERE-IS, AND WITH ALL FAULTS," LATENT OR PATENT, AND SUBJECT TO ALL PRIOR ENCUMBRANCES, AND WITHOUT ANY WARRANTIES OR REPRESENTATIONS BY THE MORTGAGEE, OR IMPOSED BY LAW. The transfer of the Mortgaged Property will be made and accepted by the highest bidder without any other conditions, terms, representations or warranties, whatsoever, including, but not limited to, representations regarding acreage, description of the Mortgaged Property, uses, tree rolls, leases, existing taxes, liens and encumbrances, title and/or title matters, availability of any utilities, building permits, occupancy, any matter relating to any structure, fixtures, or any other matter. The highest bidder shall be deemed to have expressly acknowledged by participation in the Sale that any warranty or representation, either by the transferor or otherwise, are without authority and that the highest bidder has duly inspected the Mortgaged Property, the title thereto, the occupancy thereof, and all other matters in connection with the Sale by itself and by its own experts, including counsel, as the highest bidder has elected to consult. To the extent that the Mortgaged Property and the transfer hereunder include fixtures or other personalty, then all such items shall be conveyed "AS-IS," "WHERE-IS," and "WITH ALL FAULTS." THE MORTGAGEE EXPRESSLY DISCLAIMS ALL WARRANTIES REGARDING TITLE TO ANY SUCH FIXTURES OR OTHER PERSONALTY. From and after the conclusion of the Sale, all loss of loss or damage to the Mortgaged Property shall pass to and be borne by the highest bidder.

The Mortgagee reserves the right to credit bid at the Sale to advance its bid at the Sale, and to pause and/or postpone the Sale by auctioneer's public proclamation. The Mortgagee further reserves the right to change terms of the Sale at the time of the Sale and add additional terms and to qualify its terms or all bidders.

Other terms, if any, to be announced at the Sale.

NORTHERN BANK & TRUST COMPANY, Present holder of the Mortgage

By Its Attorneys,

Barry G. Braunstein, Esquire, Robert M. Braunstein LLP, 100 Cambridge Street, 22nd Floor, Boston, Massachusetts 02114, (617) 522-1200, Email: bbraunstein@riemlerlaw.com

EXHIBIT A (Real Property) Property Description

151-155 Port (sic) Street, East Boston

The land in Boston, Suffolk County, being five certain parcels of lots situated in that part of the city called East Boston being lots 21 through 25 inclusive as shown on Plan entitled "Plan of East Boston, Lots, excluding 5, Block 54," made by Edward P. Adams, City Engineer, dated May 15, 1905 and recorded with Suffolk Deeds, Book 3046, Page 340, bounded and described and measured as follows:

Lot 23: Beginning at a point in the Northernly side of Frankfort Street, eighty-six (86) feet from the Northernly corner of Frankfort and Porter Streets, thence running Northernly at right angles to said line of Frankfort Street, twenty-eight (28) feet, thence Northwesterly at right angles by lot numbered 22, one hundred (100) feet to a point, thence Southwesterly at a right angle and bounded Northernly by lots numbered 17 and 19, twenty-eight (28) feet to a point, thence Southwesterly at right angles, parallel to the line first above described, and bounded Westerly by lot, number 24, one line of Frankfort Street, twenty-eight (28) feet along said line to Frankfort Street, twenty-eight (28) feet to the point of beginning, containing 2,882 square feet of land, more or less.

Lot 24: Beginning at a point in the Northernly side of Frankfort Street, eighty-six (86) feet from the Northernly corner of Frankfort and Porter Streets, thence running Northernly at right angles to said line of Frankfort Street, twenty-eight (28) feet, thence Northwesterly at right angles by lot numbered 23, one hundred (100) feet to a point, thence Southwesterly at right angles and bounded Northernly by lots numbered 17 and 19, twenty-eight (28) feet to a point, thence Southwesterly at right angles, parallel to the line first above described, and bounded Westerly by lot, number 25, one line of Frankfort Street, twenty-eight (28) feet along said line to Frankfort Street, twenty-eight (28) feet to the point of beginning, containing 2,882 square feet of land, more or less.

Lot 25: Beginning at the Southwestly corner of said lot 24, thence Northwesterly at right angles, one hundred (100) feet thence Southwesterly at right angles, twenty-eight (28) feet, thence Southwesterly at right angles, one hundred (100) feet to northwesterly side of Frankfort Street, thence, Northwesterly along said line of Frankfort Street, twenty-eight (28) feet to the point of beginning, containing 2,882 square feet of land, more or less.

Parcel #1: About twenty-eight hundred seventy-six (2,876) square feet of land on the Northwesterly side of Frankfort Street, adjoining another estate now or formerly of said Lorenzo DiGiusto being Lot Twenty-two (22) Edward P. Adams, Plan dated May 15, 1905, recorded with Suffolk Deeds, Book 3046, Page 340, Block 54, Section 5, East Boston District.

Parcel #2: About Twenty-Eight Hundred Eighty-Two (2,882) square feet of land on the Northwesterly side of Frankfort Street, adjoining another estate now or formerly of said Lorenzo DiGiusto being Lot Twenty-two (22) Edward P. Adams, Plan dated May 15, 1905, recorded with Suffolk Deeds, Book 3046, Page 340, Block 54, Section 5, East Boston District.

183 Orleans Street, East Boston

The land at 183 Orleans Street, East Boston, Suffolk County, Massachusetts, consisting of two parcels of land, bounded and described as follows:

First Parcel: Northwestwesterly twenty (20) feet; by Orleans Street, two hundred (100) feet; Northeastwesterly by Porter Street, one hundred (100) feet;

Southwesterly by a line parallel to the south-easterly line of Orleans Street and one hundred feet distant therefrom, two hundred twenty (220) feet; and

Southwesterly by land now or formerly of Howard S. Cosgrove, one hundred (100) feet.

Second Parcel: Commencing at a point on Orleans Street, two hundred twenty (220) feet from the southwest corner of Porter and Orleans Streets; thence running at right angles and

Southwesterly a distance of one hundred (100) feet; thence running and parallel with Orleans Street a distance of one hundred forty (140) feet; thence running at right angles and

Northwesterly a distance of one hundred (100) feet; thence running and parallel with Orleans Street a distance of one hundred forty (140) feet to the point of beginning.

For title reference see deed of 183 Orleans Street LLC, recorded herewith.

Top local employers are looking for people just like you.

Check out great opportunities in The Boston Sunday Globe's Careers Section.

The Boston Globe

Visit boston.com/monster today and get help from the experts.

Advance your Career. Chat live with career experts, get advice on your next career move or learn more about continuing your education.

Broadcast your Resume. Make your resume available to hundreds of recruiters at once.

Check your Salary. Find out how much you're worth—and how to ask for more.

Ace your Interview. Learn to master the interview process with tips and advice from specialists and experts.

March 24, 2021 CCA HMO Complete, LLC 30 Winter Street, Boston, MA 02108

TOWN OF WESTON MASSACHUSETTS BOARD OF APPEALS HEARING NOTICE

LEGAL NOTICE Request for Response (RFR) The Montachusett Regional Transit Authority (MARTA) invites qualified contractors to submit responses for RFR: PROJECT # 3.24.21-BAY REHAULATION, in accordance with specifications, at 14276 Water Street, Fitchburg, MA 01420

**TRC Project No. 414883**

June 10, 2021

Town of Weymouth  
Mayor's Office  
75 Middle Street  
Weymouth, Massachusetts 02189

Re: Notice of Availability  
Final Immediate Response Action Completion Report  
82 Bridge Street  
Weymouth, Massachusetts  
Release Tracking Number 4-28676

To Whom It May Concern:

TRC Environmental Corporation (TRC) has prepared this notification letter on behalf of Algonquin Gas Transmission, LLC (Algonquin) to inform you of the availability of the Final Immediate Response Action (IRA) Completion Report for the above-referenced location in Weymouth, Massachusetts. This notification is being provided to you in accordance with 310 CMR 40.1403(3)(c) of the Massachusetts Contingency Plan.

The Final IRA Completion Report can be reviewed via the MassDEP database at <https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028676>. A copy of the summary of findings and statement of conclusions from the report is attached to this letter.

Sincerely,

**TRC Environmental Corporation**

A handwritten signature in black ink that reads "Jim Doherty".

James Doherty, PE, LSP  
Senior Hydrogeologist

**Final Immediate Response Action Completion Report**  
**82 Bridge Street**  
**Weymouth, Massachusetts**  
**Release Tracking Number 4-28676**

The following general findings and conclusions can be made based on the investigations performed at Kings Cove Conservation Area located at 82 Bridge Street, Weymouth, Massachusetts and summarized in the Final Immediate Response Action (IRA) Completion Report:

Sample results for soil samples collected in January 2021 at a depth of less than 12-inches below the ground surface indicated a concentration of arsenic that exceeded the 2-hour notification threshold as a possible Imminent Hazard (IH) in accordance with 310 CMR 40.0321(2)(b). Additional investigations delineated the extent of the exceedances as shown in the Final IRA Completion Report.

TRC Environmental Corporation (TRC) conducted an IH evaluation which concluded that Hazard Indices and Excess Lifetime Cancer Risks for the young child recreational visitor do not exceed MassDEP Risk Limits for an IH. Therefore, an IH associated with Kings Cove Shoreline sediment does not exist.



650 Suffolk St., Suite 200  
Lowell, MA 01854

T 978.970.5600  
TRCcompanies.com

**TRC Project No. 414883**

June 10, 2021

Daniel McCormack, R.S., C.H.O.  
Director Weymouth Health Department  
75 Middle Street  
Weymouth, MA 02189

Re: Notice of Availability  
Final Immediate Response Action Completion Report  
82 Bridge Street  
Weymouth, Massachusetts  
Release Tracking Number 4-28676

To Whom It May Concern:

TRC Environmental Corporation (TRC) has prepared this notification letter on behalf of Algonquin Gas Transmission, LLC (Algonquin) to inform you of the availability of the Final Immediate Response Action (IRA) Completion Report for the above-referenced location in Weymouth, Massachusetts. This notification is being provided to you in accordance with 310 CMR 40.1403(3)(c) of the Massachusetts Contingency Plan.

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Sincerely,

**TRC Environmental Corporation**

A handwritten signature in black ink that reads "Jim Doherty".

James Doherty, PE, LSP  
Senior Hydrogeologist



**Immediate Response Action Completion Report**  
**82 Bridge Street**  
**Weymouth, Massachusetts**  
**Release Tracking Number 4-28676**

The following general findings and conclusions can be made based on the investigations performed at Kings Cove Conservation Area located at 82 Bridge Street, Weymouth, Massachusetts and summarized in the Final Immediate Response Action (IRA) Completion Report:

Sample results for soil samples collected in January 2021 at a depth of less than 12-inches below the ground surface indicated a concentration of arsenic that exceeded the 2-hour notification threshold as a possible Imminent Hazard (IH) in accordance with 310 CMR 40.0321(2)(b). Additional investigations delineated the extent of the exceedances as shown in the Final IRA Completion Report.

TRC Environmental Corporation (TRC) conducted an IH evaluation which concluded that Hazard Indices and Excess Lifetime Cancer Risks for the young child recreational visitor do not exceed MassDEP Risk Limits for an IH. Therefore, an IH associated with Kings Cove Shoreline sediment does not exist.

**TRC Project No. 414883**

June 10, 2021

Public Involvement Plan Mailing List

Re: Notice of Availability  
Final Immediate Response Action Completion Reports and  
Final Release Abatement Measure Completion Report  
54-90 Bridge Street  
Weymouth, Massachusetts  
Release Tracking Numbers 4-28676, 4-28615 and 4-26230

SENT VIA ELECTRONIC MAIL

To Whom It May Concern:

TRC Environmental Corporation (TRC) has prepared this notification on behalf of Algonquin Gas Transmission, LLC (Algonquin) to inform you of the availability of the Final versions of the following documents that provide results of investigations and responses to public comments related to activities performed at the above-referenced location in Weymouth, Massachusetts.

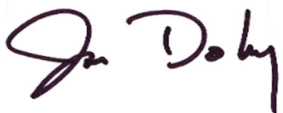
- Immediate Response Action Completion Report, 82 Bridge Street, Weymouth MA, dated June 2021, RTN 4-28676; this document can be viewed on the MassDEP Database at:  
<https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028676>
- Immediate Response Action Completion Report, 90 Bridge Street, Weymouth MA, dated June 2021, RTN 4-28615, this document can be viewed on the MassDEP Database at:  
<https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028615> and
- Release Abatement Measure Completion Report, 54-56 Bridge Street, Weymouth MA, dated June 2021, RTN 4-26230, this document can be viewed on the MassDEP Database at:  
<https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0026230>

Please also find attached Algonquin's Response to Comments received at the Public Meeting conducted on April 7, 2021 and during the subsequent Public Comment Period.

This notification is being provided to you in accordance with the provisions of the Final Public Involvement Plan for Release Tracking Number 4-26230 dated January 30, 2018.

Sincerely,

**TRC Environmental Corporation**

A handwritten signature in black ink that reads "Jim Doherty".

James Doherty, PE, LSP  
Senior Hydrogeologist



**TRC Project No. 414883**

June 10, 2021

Tufts Public Library  
46 Broad Street  
Weymouth, MA 02188

**RE: Public Repository for Release Tracking Number 4-0026230  
Final Immediate Response Action Completion Report  
82 Bridge Street, Weymouth, MA;  
Final Immediate Response Action Completion Report  
90 Bridge Street, Weymouth, MA; and  
Final Release Abatement Measure Completion Report  
54-56 Bridge Street, Weymouth, MA**

To Whom it May Concern:

At the request of local petitioners, the above Massachusetts Department of Environmental Protection (MassDEP) Release Tracking Number (RTN) has been designated a Public Involvement Plan (PIP) Site pursuant to the Massachusetts Contingency Plan (specifically 310 CMR 40.1404). The Tufts Public Library has been established as a document repository for members of the community to access and review documents relevant to the RTN. Please accept the enclosed reports which are to be added to the repository and maintained for review by members of the community. The following reports are included with this letter:

- Immediate Response Action Completion Report, 82 Bridge Street, Weymouth MA, dated June 2021;
- Immediate Response Action Completion Report, 90 Bridge Street, Weymouth MA, dated June 2021; and
- Release Abatement Measure Completion Report 54-56 Bridge Street, Weymouth MA, dated June 2021.

The document repository will need to be maintained for approximately two years, and additional relevant documents will be added to the repository over that time. Please contact me at [jdoherthy@trccompanies.com](mailto:jdoherthy@trccompanies.com) with any questions.

Sincerely,

**TRC Environmental Corporation**

A handwritten signature in black ink that reads "James Doherty". The signature is written in a cursive, flowing style.

James Doherty, PE, LSP  
Senior Hydrogeologist

**TRC Project No. 414883**

June 10, 2021

Weymouth Health Department  
Town of Weymouth  
75 Middle Street  
Weymouth, MA 02189

**RE: Public Repository for Release Tracking Number 4-0026230  
Final Immediate Response Action Completion Report  
82 Bridge Street, Weymouth, MA;  
Final Immediate Response Action Completion Report  
90 Bridge Street, Weymouth, MA; and  
Final Release Abatement Measure Completion Report  
54-56 Bridge Street, Weymouth, MA**

To Whom it May Concern:

At the request of local petitioners, the above Massachusetts Department of Environmental Protection (MassDEP) Release Tracking Number (RTN) has been designated a Public Involvement Plan (PIP) Site pursuant to the Massachusetts Contingency Plan (specifically 310 CMR 40.1404). The Weymouth Health Department has been established as a document repository for members of the community to access and review documents relevant to the RTN. Please accept the enclosed reports which are to be added to the repository and maintained for review by members of the community. The following reports are included with this letter:

- Immediate Response Action Completion Report, 82 Bridge Street, Weymouth MA, dated June 2021;
- Immediate Response Action Completion Report, 90 Bridge Street, Weymouth MA, dated June 2021; and
- Release Abatement Measure Completion Report 54-56 Bridge Street, Weymouth MA, dated June 2021.

The document repository will need to be maintained for approximately two years, and additional relevant documents will be added to the repository over that time. Please contact me at [jdoherthy@trccompanies.com](mailto:jdoherthy@trccompanies.com) with any questions.

Sincerely,

**TRC Environmental Corporation**

A handwritten signature in black ink that reads "James Doherty". The signature is written in a cursive, slightly slanted style.

James Doherty, PE, LSP  
Senior Hydrogeologist

**APPENDIX E**

**RESPONSE TO PUBLIC COMMENTS**

**54-56 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0026230)  
90 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0028615)  
82 BRIDGE STREET, WEYMOUTH, MA (RTN 4-0028676)**

**Response to Comments on Draft Immediate Response Action Completion Reports and Draft Release Abatement Measure Completion Report Received During Public Involvement Plan (PIP) Meeting or Public Comment Period**

TRC Environmental Corporation (TRC), on behalf of Algonquin Gas Transmission, LLC (Algonquin), has prepared the following responses to comments received during either the PIP Meeting held on April 7, 2021 or during the public comment period regarding a Draft RAM Completion Report dated February 2021 respecting 54-56 Bridge Street (RTN 4-0026230), a Draft IRA Completion Report dated February 2021 respecting 54-56 Bridge Street, 82 Bridge Street and 90 Bridge Street (RTN 4-0028615), and another Draft IRA Completion Report dated February 2021 respecting 82 Bridge Street and 90 Bridge Street (RTN 4-0028676) (hereafter the “Response to Comments”).

The Massachusetts Department of Environmental Protection (MassDEP) assigned RTN 4-26230 to address Oil and Hazardous Material (OHM) impacts associated with the filling of the 54-56 Bridge Street portion of the MCP Site also known as the “Compressor Station Property”. RTN 4-26243 was assigned to address the presence of Light Non-Aqueous Phase Liquid (LNAPL) OHM at the Compressor Station Property. RTN 4-28186 was assigned to address OHM impacts associated with the filling of 82 Bridge Street and 90 Bridge Street also known as the “Kings Cove Conservation Area”. RTN 4-28076 was assigned to the presence of arsenic in shallow soil on a portion of both the Compressor Station Property and the Kings Cove Conservation Area. Going forward, response actions at both the Compressor Station Property and the Kings Cove Conservation Area (together “the MCP Site”) will be tracked under RTN 4-26230.

The Final Public Involvement Plan (January 2018) for the MCP Site provides for a 20-day public comment period which ended on May 4, 2021.

**Section I** of this Response to Comments summarizes the comments, concerns, and questions during the April 7, 2021 PIP Meeting and the responses to these comments. The comments (*in italics*) and corresponding responses (in regular font) are grouped into six categories numbered 1 to 6. Within each category, individual comments were assigned a letter. For example, in Category 3 (Concerns about Risk), the three comments were labeled Comments 3a through 3c. The response to each comment is summarized directly following the corresponding comment. The comments were captured and preserved using Zoom’s Q&A function. Two TRC note takers listened to the meeting and compiled responses provided during the meeting. Additional information has been added to the responses, where warranted. In cases of similar comments, a response may reference a response to an earlier comment.

**Section II** of this Response to Comments addresses written comments received during the public comment period. Each comment received was assigned a number, and if

multiple comments were provided by one author, the individual comments were assigned letters. For example, Commenter 8 provided five comments which are designated Comments 8a through 8e in Section II. The response to each comment is provided directly following the comment.

Again, in cases of similar comments, a response may reference a response to an earlier comment.

In both Sections I and II, comments unrelated to the substance of the Draft RAM Completion Report or either of the Draft IRA Completion Reports are noted.

TRC has not identified the commenters in this Response to Comments. However, all commenters who provided contact information will receive this Response to Comments in accordance with the PIP.

A list of those individuals who signed into the April 7, 2021 PIP meeting is appended to this document as Attachment A.

## I Comments, Questions, and Concerns During the April 7, 2021 PIP Meeting

### 1. Concerns about TRC's and MassDEP's Activities Relating to the MCP Site

- 1a. *I was told by Gerard Martin At (sic) MADEP that the RTN numbers would be consolidated in ONE PLACE. They are not. Why not? This is important for public access.*

Response: The RTNs will be linked administratively when the final IRA Completion Reports are submitted to MassDEP.

- 1b. *What other work have you done with Enbridge and the Town of Weymouth?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 1c. *TRC refers to its credentials, I am asking specifically jobs related to that relationship with Enbridge. Also other jobs with Town of Weymouth.*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 1d. *Has Maggie Suter worked on any aspect of this portion of the project as a consultant to ERM*

Response: No.

- 1e. *Does being paid by an entity with a vested interest in results negate the validity of an investigator's efforts and violate the scientific method?*

Response: No.

- 1f. *As the LP (sic) of record If Mr. Doherty is unaware when the fire/burner bricks were manufactured and/or used at the Edgar coal plant that are littered all over the King Cove, how is he comfortable that the site has been fully tested for asbestos?*

Response: The LSP, under MassDEP supervision, has determined an appropriate plan for assessing potential asbestos containing materials (ACM) at the MCP Site.

As discussed in the draft RAM Completion Report, on June 26, 2019, Mr. David Gavin of TRC, a Massachusetts-licensed asbestos inspector, collected a total of eight samples from five different locations on the Compressor Station Property. No asbestos was identified in the samples.

Additional sampling of bricks unearthed during construction excavations at the Compressor Station Property was performed on February 15, 2020 by both Mr.

Eric Gomes of TRC, a Massachusetts-licensed asbestos inspector, and MassDEP. Four samples were collected during this event. No asbestos was identified in the samples collected by TRC or MassDEP.

As will be discussed further in the draft Phase II Comprehensive Site Assessment Report, Mr. Brian Burke and Mr. Mike McCarter of TRC, also both Massachusetts-licensed asbestos inspectors, implemented a comprehensive sampling plan to assess the potential for ACM in the Kings Cove Conservation Area. A total of 76 samples of potential ACM were collected from the Shore. No asbestos was identified in any of the samples collected.

These activities have comprehensively addressed the possibility of ACM at the MCP Site, including the Kings Cove Conservation Area.

1g. *If we hired someone to excavate some dirt and test it and if we got a different result, would that be taken into consideration?*

Response: Yes. Among other things, TRC would assess the training and certifications of the personnel who had collected and analyzed the samples as well as their methods.

1h. *Were the inspectors hired independent or paid by the company?*

Response: The asbestos inspectors were employed by TRC.

1i. *Should a truly independent environmental group be hired to address the health and safety concerns of nearby residents?*

Response: That isn't necessary. The MCP Site is being appropriately addressed by LSPs under the supervision of MassDEP.

## **2. Questions and Comments Related to the Public Meeting**

2a. *How many people are on the meeting?*

Response: Zoom identified a total of 48 unique viewers who attended some or all of the meeting.

2b. *How many people are attending the meeting.*

Response: See response to Comment I.2.a.

2c. *How long is the presentation part?*

Response: The presentation was approximately 20 minutes.

2d. *Is there a list of attendees on this call?*

Response: Yes, it is appended to this Response to Comments as Appendix A.

2e. *Is it that much trouble to say the number?*

Response: See response to Comment I.2.a.

2f. *Will a video recording of this meeting be publicly available post meeting? If yes, where can it be accessed?*

Response: Yes, a recording of the meeting is available at:  
<https://www.trccompanies.com/insights/weymouth-pip/>

2g. *Unable to see other people's questions until after they are answered. very poor format for information dissemination.*

Response: Comment noted.

2h. *Why can't I see any of the questions already received?*

Response: The comments that were answered were viewable in the Q&A feature once they were answered.

2i. *I want to object to your screening and offering commentary on whether a question is appropriate without us seeing it.*

Response: No questions were screened. All of the questions submitted via the Q&A function were read and those pertaining to either the RAM Completion Report or either of the IRA Completion Reports were answered.

2j. *I would like to agree with Margaret Bellafiore. This format... the inability to see other participants and questions submitted is not helpful. ZOOM format allows for that ability. I don't understand why it is not being made available to participants.*

Response: Comment noted

2k. *Can we see questions and vote on them? This was something we asked for feedback from the last meeting. It is hard to see who's on the meeting and what other questions are on webinar and what questions have been asked*

Response: Comment noted.

2l. *The intent of the Public Involvement Plan Program as defined by 310CMR40 is not being met by this zoom meeting. There is no reason the residents cannot be visible on the screen so participants can see each other as they ask questions. The*



*format TRC has selected is a barrier to public participation. Pre pandemic, we held these public meetings face to face at the Abigail Adams Middle School. The zoom format selected is not satisfactory. A pandemic solution using zoom did not have to exclude a "face to face" participation. I have asked for this to be changed and my request was rejected.*

Response: Comment noted.

*2m. Where is Jim Doherty?*

Response: He went to get a glass of water while someone else was responding to a question.

*2n. Will the August PIP meeting be held live and in person as the audience will be vaccinated by then?*

Response: We hope that the next public meeting can be in person. We will confer with MassDEP respecting what is most appropriate as the next PIP meeting date approaches.

*2o. How would complaints about the process for this meeting be lodged?*

Response: We welcome your feedback regarding all aspects of public involvement by telephone, email or mail.

*2p. I concur with others who have noted that this format does not meet the requirements for a public meeting.*

Response: Comment noted.

*2q. When is the Phase 2 PIP Meeting that Jim said he would answer the questions about shellfish and other things? Next month? Months from now?*

Response: The Draft Phase II Comprehensive Site Assessment Report is due on July 28, 2021. The public meeting regarding that document will occur after that date.

### **3. Questions and Comments About Risk**

*3a. At one of the first PIP public meetings TRC reps admitted that the large areas of deep contamination were not included in RAM data that was used to determine there was 'no significant risk'. so therefore, assurances that the area was 'extensively investigated' rings hollow.*

Response: See response to Comment I.1.i.

- 3b. *If you're saying very little contaminants were found in your samples, can this guarantee that there is no direct threat to people utilizing the public park there? conservation land will continue to be open for the public to enjoy for decades to come?*

Response: The Phase II Comprehensive Site Assessment will include an assessment of any risk to visitors to the Kings Cove Conservation Area. The Imminent Hazard Evaluations reported in the draft IRA Completion Reports established the absence of imminent hazard conditions.

- 3c. *Is it a possibility that King Cove Park could be shut down to the public if it is determined cleanup is not possible to make it safe from contaminants?*

Response: No.

#### 4. Questions and Comments Related to RAM Activities

- 4a. *Can you clear up the confusion as to why the RAM plan referred to the coal ash as "historic fill" if Mr. Doherty agrees that it is not, and how it was determined that the coal ash was not a hazard?*

Response: The RAM Plan did not conclude that coal ash at the Site was or was not "historic fill." What it said was that "The re-evaluation of the fill across the Property as Historic Fill is incomplete and ongoing. For this final RAM Plan, however, it is not relevant whether some or all of the fill at the site is or is not Historic Fill within the meaning of the MCP. That is because much of the fill to be encountered during construction is contaminated by arsenic or other constituents at levels higher than applicable RCS-1 soil reporting thresholds and must be handled as contaminated material even if it qualifies as Historic Fill." [page 14]

The risk to human health associated with construction of the Compressor Station was evaluated in the risk characterization included in the RAM Plan. That evaluation, in accordance with MassDEP guidance, concluded that the OHM in the coal ash did not present a risk to human health in connection with the construction of the Compressor Station. Human health risks associated with foreseeable uses of the MCP Site will be further evaluated in the Phase II Comprehensive Site Assessment.

- 4b. *Could Mr. Doherty explain how Edgar Coal plant waste and LNAPL fit the definition of "historic fill," that includes the following: "may contain, but is not primarily composed of, construction and demolition debris, reworked soils, dredge spoils, coal, coal ash, wood ash or other solid waste material; was contaminated with metals, hydrocarbons, and/or polycyclic aromatic hydrocarbons.... does not contain oil or hazardous materials originating from operations or activities at the location..."*

Response: TRC has not concluded that “plant waste and LNAPL fit the definition of ‘historic fill’.”

- 4c. *Please explain how coal ash is not a hazardous waste when it is known to be high in arsenic content? How is it categorized it as "urban fill"?*

Response: TRC does not agree that coal ash is “known to be high in arsenic content.” The MCP requires the assessment of all of the OHM present at the MCP Site, including arsenic. However, not all hazardous substances are “hazardous waste” which is regulated under other federal or state laws.

- 4d. *Isn't ash a hazardous waste and not a "fill" material*

Response: Please see the response to Comment I.4.c.

- 4e. *The ash at the site was incorrectly categorized as “historic fill” by TRC. It does not fit the legal definition of “historic fill,” as it is industrial waste from the Edgar coal plant. Therefore, it was inappropriately used as fill and continues to endanger the public.*

Response: Please see the responses to Comments I.4.a and c.

- 4f. *My question about the coal ash should not be answered "leave it at that"!!! Your presenter said the coal ash was not hazardous on this meeting. It is fair for me to ask for an explanation!!! And Mr. Doherty said it was "urban fill." EXPLAIN*

Response: Please see the responses to Comments I.4.a and c.

- 4g. *I noticed a black smear on one of the slides showing the bottom of the excavation, what caused that?*

Response: It is not a “smear”. What you are seeing is darker fill beneath lighter fill.

- 4h. *During the construction phase, there was a very large, square hole in the corner of the property closest to the MWRA access road and the public access road. It had a very strong smell of petroleum or petroleum distillates. And yet no LNAPL was detected during construction? How is that possible?*

Response: None of the “holes” excavated on the Compressor Station Property were deep enough to encounter the LNAPL present at greater depths below the ground surface.

- 4i. *Please explain how you wouldn't have the name of TRC's own asbestos inspector for this PIP meeting?*

Response: Please see the response to Comment I.1.f.

- 4j. *Was any of the topsoil that was removed from the north parcel and used as daily cover in Fitchburg tested for pollutants/contaminants?*

Response: Yes, material removed from the MCP Site was pre-characterized for the presence of OHM prior to being transported elsewhere. The results of that pre-characterization are summarized in Table 1 of the draft RAM Completion Report.

- 4k. *I'm also curious to know how it is that soil that was required to be removed from the North Parcel was usable in Fitchburg as "daily cover." What is daily cover?*

Response: Daily cover is material used to cover solid waste at a landfill at the end of each day of operation. It is not the same as the cap that is placed on a landfill that has reached its capacity.

- 4l. *Comment: It is unconscionable that this soil was used as daily cover in Fitchburg, an Environmental Justice community, only to be sunk into a landfill that will ultimately be burned as "sourgas" in the future. Any toxins in that soil will go into this gas. Kicking the can down the road does nothing to protect vulnerable populations in the future.*

Response: MassDEP regulates what can be used as daily cover to prevent what you suggest.

- 4m. *Asbestos testing was only performed prior to RAM plan? So, nothing dug up during construction was asbestos tested?*

Response: Please see the response to Comment I.1.f.

- 4n. *Were you able to determine which decade the 8 bricks came from?*

Response: We made no attempt to determine the age of the bricks which is irrelevant to whether or not they contained asbestos. Only analysis can determine the presence or absence of asbestos in any material, including the bricks used to create the Site.

- 4o. *Based on the total number of bricks and the one location sampled, was 8 bricks from the shoreline a representative sample*

Response: No, and many more than eight bricks were analyzed. Please see the response to Comment I.1.f.

- 4p. *Specifically, how was it determined there were no burner bricks in the area?*

Response: Please see the response to Comment I.1.f.

4q. *How were the 8 bricks selected to be tested for asbestos from the approx. 40 bricks found at or near the surface of the site. Who selected the bricks to be tested for asbestos?*

Response: Please see the response to Comment I.1.f.

4r. *The MADEP document "Top Ten Most Common MCP Risk Characterization Problems" lists #2 Analytic data has not been reviewed prior to use in the risk assessment". A number of questions centered around the composition of fire brick. Having done the research on this matter and having worked on the bricks in the Navy, I would like to know if you have factored into your data the fact that from the 1800s to the 1970s, ALL FIRE BRICK contained asbestos. After the 1970s, asbestos was removed from the bricks. Most likely the bricks that were on top and tested.*

Response: Comment noted. However, the substance of the comment is inconsistent with the results of the evaluations discussed in the response to Comment I.1.f.

4s. *Would not a licensed professional asbestos inspector looking for asbestos bricks at the compressor site be able to know whether to test or not test a yellow kiln brick for asbestos from a visual inspection since asbestos bricks tend to be more crumbly with color that can be scratched off?*

Response: Please see the response to Comment I.1.f.

4t. *Would not a licensed professional asbestos inspector looking for asbestos bricks at the compressor site be able to know whether to test or not test a kiln brick found at the site by picking it up since asbestos kiln bricks, that can be composed of 90% asbestos, are noticeably lighter than non-asbestos bricks.*

Response: Please see the response to Comment I.1.f.

4u. *Did you randomly sample for asbestos or did you ignore that firebricks were the source of friable asbestos, thus violating OSHA requirements.*

Response: Please see the response to Comment I.1.f.

4v. *By visiting the Baker Library at Harvard to go through the archives of the Edgar Coal station, I saw evidence of numerous times that used firebricks were removed from the kilns and discarded at the site. They were purchased from the O'Connor company that used asbestos in the making of the bricks during those years. Therefore, it is not hypothetical that asbestos was disposed of on the site.*

Response: Please see the response to Comment I.1.f.

4w. *Is it correct to say that the contention, as stated in the last PIP, that asbestos brick have not been found at the site, a finding that has allowed for the excavation of many tons of contaminated material without safety protocols for the safe handling of asbestos, relied on the asbestos testing data from only eight bricks?*

Response: Please see the response to Comment I.1.f.

4x. *More specifically re 8 tested bricks: Were you able to determine the year each of the bricks were manufactured and used at that Edgar coal plant?*

Response: Please see the response to Comment I.4.n.

4y. *Who is this licensed professional?*

Response: Please see the response to Comment I.1.f.

4z. *Why isn't the asbestos professional at this meeting?*

Response: An asbestos inspector will be available to respond to the public's questions/comments at the PIP meeting that will be scheduled after TRC submits the draft Phase II Comprehensive Site Assessment Report for the Site.

4aa. *Did the quick project timeline effect the depth of the cleanup?*

Response: No.

## **5. Questions and Comments Related to the Draft Immediate Response Actions**

5a. *Was it hexavalent chromium?*

Response: The four sediment samples obtained from locations surrounding the SL1-08 location where chromium was detected were analyzed for the presence of hexavalent chromium. Hexavalent chromium was not detected in three of those four samples. Hexavalent chromium was reported in the fourth sample but at a concentration that was approximately 10% of the total chromium concentration. The December 28, 2020 supplemental sediment sample chromium speciation results in the vicinity of sample location SL1-08 indicated that less than ten-percent of total chromium exists in the hexavalent form.

5b. *Do you have the figures on how much trivalent and how much hexavalent chromium was found?*

Response: Please see the response to Comment I.5.a.

5c. *What industrial activity caused the high levels of chromium and arsenic*

Response: We don't know the source of the chromium detected at sediment sampling location SL1-08, but the IRA confirmed that this detection is not representative of Site conditions. It is suspected that elevated levels of arsenic at the Site are related to the presence of coal ash.

Further, the suggestion that the concentration of chromium in sediment is "high" is inconsistent with the fact that the average chromium and hexavalent chromium concentrations in the sampled sediments were below the background concentration of chromium in "Natural" soil published by MassDEP in its guidance document *Historic Fill/Anthropogenic Background Public Comment Draft* dated July 16, 2016.

5d. *What was the original source of Hexavalent chromium?*

Response: Please see the response to Comment I.5.c.

5e. *Why would the hexavalent chromium be present and could it exist at higher concentrations in areas not sampled?*

Response: 394 soil and sediment samples were collected at the MCP Site and analyzed for total chromium. Only one sediment sample (SL1-08) exceeded the MCP Method 1 standard for total chromium.

5f. *If you don't know the source of the hex chrome and its distribution on the site, then have you properly completed IRA requirements?*

Response: Please see the response to Comments I.5.a., c. and e.

5g. *Please say I don't know if you have not identified the source of hexavalent chromium instead of simply discussing concentrations or producing some wild theories about chrome wire. Could the power plant or shipyard be doing metal plating and thus be the source of hex chrome waste? If you don't know the source or the disposal methods then you may not be able to identify any hot spots*

Response: Please see the response to Comment I.5.a. c., and e.

5h. *You recognize that after the compressor Building was completed, you spread 1 foot of topsoil to allow grass to grow. The MWRA did the same to cover the 60" pipe on the walkway. How can you anticipate finding anything when your criteria of 0-0.5 ft testing? You are testing topsoil trucked in from the outside.*

Response: Additional deeper soil sampling was performed before and after the IRA investigations presented in these documents. The results of all of the soil sampling at the MCP Site will be presented in the draft Phase II Comprehensive Site Assessment.

5i. *Was the top foot of soil that was tested, previously put there as 'new top soil' in previous work at the compressor site? possibly during construction of the MWRA facility or the development of the Kim*

Response: Please see the response to Comment I.5.h.

5j. *Defining the concentration gradient is not determining what caused or what it is attributable to*

Response: Comment noted.

5k. *If we know the toxic waste was from past use vs current use why would you use recently applied topsoil to evaluate past toxic waste danger?*

Response: Please see the response to Comment I.5.h.

5l. *40.0321 (2)(b) states "hazardous material concentration as ug/g why are your results noted in MG/KG ??*

Response: Comment noted.

5m. *Why did you not test for asbestos on the beach?*

Response: Please see the response to Comment I.1.f.

5n. *We have requested that the fence surrounding the park be removed. You removed a portion to bring trucks into the park. You then put it back up. Can you remove the fence?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

5o. *Does the level of asbestos exceed any public health standards in which case shouldn't it be reported before a phase 2 is complete?*

Response: Please see the response to Comment I.1.f.

## **6. Questions Unrelated to the MCP Submittals On Which Public Comment Was Requested.**

6a. *Mr. Porter, have you been to the site at any point before, during or after construction? Have you seen it for yourself?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.



6b. *Mr. Porter, have you seen the site for yourself?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

6c. *Did TRC test any of the numerous clinkers that are seen along the coast line at all for contaminants and asbestos?*

Response: Although this question is unrelated to the RAM Completion Report or either of the two IRA Completion Reports, the composition of representative samples of the clinkers in the Kings Cove Conservation Area was analyzed. The results of those analyses will be presented in the Phase II Comprehensive Site Assessment Report.

6d. *Boston Edison, which is now Eversource, originally owned the property and dumped the coal ash, clinkers and burner bricks from the Edgar Power Plant. How much is Eversource responsible for the cleanup, if at all?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

6e. *How many bricks from the beach were tested for asbestos?*

Response: Please see the response to Comment I.1.f.

6f. *If Algonquin/Enbridge/Calpine find that the cost of clean up is too costly, who will pay for the work?*

Response: Although this question does not relate to the RAM Completion Report or either of the two IRA Completion Reports, Algonquin is responsible for achieving a condition of "No Significant Risk" with respect to releases of OHM at the Site.

6g. *Boston Edison, which is now Eversource, originally owned the property and dumped the coal ash, clinkers and burner bricks from the Edgar Power Plant. How much is Eversource responsible for the clean up, if at all?*

Response: Please see the response to Comment I.6.d.

6h. *Did the Phase 1 analyze the activities of the entire length of time for the coal fired power plant and identify where all waste materials were disposed?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 6i. *Did the phase 1 identify all persons or companies who may have disposed of materials on the site, such as the general dynamics shipyard or other nearby businesses? This would have required questioning all entities who operated on the site and employees who supervised the site.*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 6j. *Shouldn't the phase 1 analyze the entire operation time of the power plant because it owned the property and was the only company that disposed of material on the site?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 6k. *A phase 1 report should have influenced any IRA or RAM*

Response: Comment noted.

- 6l. *In the permanent solution, I request that Algonquin/Calpine do a restoration of the beach by clearing the large clinkers and bricks or covering them up to make the beach easier to walk on and prevent further erosion of coal ash, clinkers and bricks from the bank. Making the beach more walkable for recreational users was something also expressed at a previous meeting of the Conservation Commission by the late Chair of the Commission Tom Tanner who tragically died from complications of COVID-19. Our Chapter 91 rights of navigation, fishing and fowling in the intertidal zone of King's Cove shall not be rescinded or restricted*

Response: Although this question does not relate to the RAM Completion Report or either of the two IRA Completion Reports, Algonquin is responsible for achieving a condition of "No Significant Risk" with respect to releases of OHM at the MCP Site. Any actions Algonquin takes in this regard will comply with applicable laws and regulations. Algonquin acknowledges the tragic passing of Conservation Commissioner Tanner and his service to the Town.

- 6m. *Have you done analysis and explored exposure to receptor pathways through the ingestion of shellfish in the cove? If not will you commit to do this in Phase 2?*

Response: Although this question is unrelated to the RAM Completion Report or either of the two IRA Completion Reports, Algonquin will evaluate the potential human health risks related to the potential consumption of shellfish from that area of Kings Cove within the MCP Site in the Phase II Comprehensive Site Assessment.

- 6n. *Can the arsenic and chromium leach into the seawater in kings cove, then bioaccumulate in mollusks*

Response: Although this question is unrelated to the RAM Completion Report or either of the two IRA Completion Reports, TRC will evaluate the human health and ecological risks related to OHM at the MCP Site in the Phase II Comprehensive Site Assessment.

- 6o. *Also you can put up a sign “closed to recreational shellfishing” up tomorrow. It is a fact the area is closed to recreational shellfishing. It would help keep people safe. Especially if signs have multiple languages. Not every resident knows the area is closed to shellfishing. This is a safety issue. Please be good neighbors and fix the erosion and put up signage.*

Response: Although this question does not relate to the RAM Completion Report or either of the two IRA Completion Reports, Algonquin is responsible for achieving a condition of “No Significant Risk” with respect to releases of OHM at the MCP Site.

- 6p. *What is the status on the public access to the West Waterfront Area of the North Parcel?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 6q. *How do you morally justify participating in a process that placed a toxic, polluting, potentially explosive piece of industrial infrastructure in the middle of residential*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 6r. *How can the compressor come on line with so many issues of safety and contamination left to be answered until phase 2?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 6s. *I second that question. Would you be comfortable with this compressor station in your back yard? If not, how can you participate in this?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 6t. *Why did you characterize the opposition group FRRACS (mispronounced by you) as having “a tendency to try to go after contractors”? What do you mean by “go after”? Please elaborate with specifics because the term “go after” implies a victimization. Do you feel that contractors are the victims here?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 6u. *I didn't realize that "enter" would make my previous comment be sent. The second/follow up question is "Could you guarantee the conservation land will continue to be open for the public to enjoy for decades to come?"*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 6v. *COMMENT: You will have to understand that we do not trust TRC. TRC has been lying about the site since they prepared the FERC EA Resource Reports.*

Response: Comment noted. Algonquin and TRC respectfully but emphatically reject this assertion.

- 6w. *Before phase 2 will you employ interim erosion control measures to prevent more erosion of clinkers and burner bricks onto the beach? More trees, bricks, ash and clinkers are falling in.*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 6x. *The erosion is a safety issue. Please fix the erosion of the beach before phase 2. It keeps getting worse. Just because it is out of scope of work of RAM etc. does not mean it is not a concern for residents and visitors of the park.*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

## **II. Email Comments and Questions**

- 1a. *In reading the Draft report for King's Cove Park you mention receptor pathways were "recreational visitors could potentially be exposed to surficial sediment primarily through incidental ingestion (i.e., a result of hand-to-mouth activity) and dermal contact." It is assuming people visit once a week, however residents visit the park and beach more frequently.*

Response: The Imminent Hazard Evaluation that is part of the IRA Completion Report for sediment assumed that people contact sediment (material below mean high water) for 30 days per year. Contact with sediment and surface water are likely to occur only during the warmest months of the year and would occur half of the times the resident visits the shore and contacts soil above mean high water (assumed to occur 60 days per year). People visiting the upland portion of the conservation area are assumed to contact soil 90 days per year.

- 1b. *Many shellfish are present at King's Cove Park. There are clams, mussels, oysters and quahogs. Attached are photos of shellfish in the Cove including a live oyster growing on a clinker. (17, 24, and 26 also talk about shellfish)*

*Recreational shellfishing is generally prohibited in the Fore River Basin because of bacteria, however King's Cove is Conditionally Restricted (See attached document) Conditionally Restricted means: "Contains a limited degree of contamination at all times. Subject to intermittent pollution events and may close due poor water quality from rainfall events or season. When open, only commercial harvesting of soft shell clams for depuration is allowed."*

*I request that TRC speak with Massachusetts Division of Marine Fisheries to look into putting an additional advisory closure for shellfishing in the west side of King's Cove along the Park because of the heavy metal releases. If conditions of water quality improve with respect to bacteria, the area could potentially be opened to commercial then recreational shellfishing. An additional advisory of heavy metals should be put in place.*

Response: Please refer to the response to Comment I.6.m.

- 1c. *Have you done analysis and explored exposure to receptor pathways through the ingestion of shellfish in the cove?*

Response: Please see response to Comment I.6.m.

- 1d. *Have you tested shellfish in the cove for different heavy metals and other toxins?*

Response: Please see response to Comment I.6.m.

- 1e. *If it has not been done I request that you test shellfish in the cove and explore exposure receptor pathways through ingestion of shellfish.*

Response: Please see response to Comment I.6.m.

- 1f. *I also request that you test the soils in the clam mudflats as you have not done any ground penetrating radar or soil testing around the flats as they are exposed at low tides.*

Response: Please see response to Comment I.6.m.

- 1g. *As the area is currently closed to recreational shellfishing because of the bacteria and could also have additional risks because of contaminated sediments, I request that TRC/Algonquin/Calpine place signs on the beach stating "Closed to shellfishing" with pictures of shellfish crossed out in multiple languages including Chinese, English, Spanish and Vietnamese. I included images of some examples*

attached. I suspect that knowledge that the area is closed to shellfishing may not be universally known.

Response: Please see response to Comment I.6.m.

- 1h. *Is there any concern of receptor pathway exposure from recreational fishing on King's Cove Beach?*

Response: No. The shallow waters of the Kings Cove Conservation Area are not good habitat for fish that one might fish for. In addition, surface water analytical results do not indicate a risk to fish.

*The beach has been open to recreational fishing and should remain open to recreational fishing and kayak/canoe launching and should be in the future. If recreational fishing and kayak/canoe launching, walking on the beach are not safe, then it should be made safe in the remediation process final solution for the property. Our Chapter 91 rights of navigation, fishing and fowling in the intertidal zone of King's Cove shall not be rescinded or restricted. Access to the beach via a trail should be maintained in any permanent solution so people can walk on the beach to fish, fowl, navigate boats and launch kayaks and canoes.*

*I attached photos of recreational kayaking in the King's Cove.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 1i. *Has there been testing of sediments on the beach and in the bricks of the beach for asbestos?*

Response: Please see the response to Comment I.1.f.

- 1j. *If there has not been testing for asbestos why? Residents have been concerned about this.*

Response: Please see the response to Comment I.1.f.

- 1k. *If TRC and MassDEP are not concerned about the presence of asbestos, why not rule it out by taking samples of the bricks and sediments on the beach and in the park?*

Response: Please see the response to Comment I.1.f.

- 1l. *Have you tested what heavy metals are in clinkers themselves? Residents in the past before knowing what they were, including children have collected clinkers and brought them home to rock collections thinking they were odd rocks or lava rocks. I*

*myself as a child found one on the Boston Harbor Islands and brought it home unknowing of toxins.*

Response: Please refer to the response to Comment I.6.c.

#### *Erosion of Clinker and Coal Ash Filled Bank*

- 1m. *Can you please provide temporary erosion control measures to stop further erosion of coal ash, clinkers and burner bricks onto King's Cove Beach? The erosion has gotten significantly worse and residents have been requesting erosion control measures for a long time. More trees and shrubs from the park have fallen onto the beach. We appreciate that caution tape has been put up in the park, however more must be done in the interim to prevent more coal ash and clinkers to erode.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 1n. *Can all answers to questions from the PIP meeting be sent to the registrants of the PIP meeting as well as put in the response documents? It would be helpful to have peoples questions answered to their emails together as well as in the documents to follow. It can be hard for folks to look through the documents to find answers.*

Response: This Response to Comments will be an appendix to the RAM Completion Report and the two IRA Completion Reports. A hyperlink to download the Response to Comments will also be emailed to everyone on the PIP mailing list.

- 1o. *Can the PIP meeting show all the questions submitted and can people vote on them? I have seen this done in other zoom meetings in the Q&A function.*

Response: Please see the response to Comment I.2.i.

- 1p. *If Algonquin/Enbridge/Calpine find that the cost of clean up is too costly, who will pay for the work?*

Response: Please see the response to Comment I.6.f.

- 1q. *It is my understanding that Algonquin/Enbridge is taking this up on their own accord, however the land is owned by Calpine. I am concerned that this web of responsible parties may cause a muddying of responsibilities.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 1r. *Algonquin and Calpine have dropped the ball and are not plowing Lovell's Grove parking lot and have plowed King's Cove parking lot intermittently. Similar issues have arisen in maintenance and emptying trash receptacles in both parks.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 1s. *Boston Edison, which is now Eversource, originally owned the property and dumped the coal ash, clinkers and burner bricks from the Edgar Power Plant. How much is Eversource responsible for the clean up, if at all?*

Response: Please see the response to Comment I.6.d.

- 1t. *It is my understanding they are off the hook because they are not the property owner anymore and it is not declared a superfund site.*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 1u. *In the permanent solution, I request that Algonquin/Calpine do a restoration of the beach by clearing the large clinkers and bricks or covering them up to make the beach easier to walk on and prevent further erosion of coal ash, clinkers and bricks from the bank. Making the beach more walkable for recreational users was something also expressed at a previous meeting of the Conservation Commission by the late Chair of the Commission Tom Tanner who tragically died from complications of COVID-19.*

Response: Please see the response to comment I.6.l.

- 1v. *If you walk around the other parts of the cove, it is not covered in coal ash and clinkers and it is easier to walk on. The beach must be restored to look like other parts of the cove.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 1w. *Different measures should be explored as alternatives including but not limited to beach nourishment, removal of clinkers offsite, incorporating clinkers back into a restored bank behind erosion controls, nature based solutions for erosion control and more armoring of the bank. I prefer a more nature based solution for the erosion of the clinkers and the bank but would like to see different feasibilities for each.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.



- 1x. *Access to the beach via a trail should be maintained in any permanent solution so people can walk on the beach to fish, fowl, navigate boats and launch kayaks and canoes.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided .

*TRC Draft Immediate Response Action (IRA) Completion Report RTN – 4-28676*

- 2a. *In the introduction of Report 4-28676, it is noted that soil samples were collected from a depth of “less than twelve inches below the ground surface”. It is also noted that the site is known as the Kings Cove Conservation Area. Additionally, the site is also the location of the MWRA 60” sewage pipeline ROW going to the Braintree/ Weymouth regional pump station. The site also is the location of all utilities serving the pump station. As with all such pipeline ROWs, the material at the top of the site is covered with up to a foot of topsoil utilized to hold freshly planted grass and shrubs. Thus, any soil samples taken at less than a depth of one foot, would only consist of soil trucked in for coverage. Prior samples taken on the compressor site, show contamination up to 20’ below ground level. The determination of the level of contamination exposure is based on its impact on background levels. 310 CMR 40.006 defines “background” as “those levels of oil and hazardous material that would exist in the absence of the disposal site of concern”.*

Response: Please see the response to Comment I.5.h.

- 2b. *In section 2.1 - Release Description, the evaluation of “imminent hazard” in this section, appears to selectively choose the criteria that will yield the chosen result (results-oriented testing). 310 CMR 40.903 is entitled “scope of the risk characterization and supporting documentation”. This document does not define the risk scope of the area, nor supplies supporting documentation beyond laboratory analysis numbers.*

Response: The Imminent Hazard Evaluation was included in its entirety as Appendix C of the IRA Completion Report.

- 2c. *In Section 2.2 - Site Conditions, the description of the noted site is limited. 310 CMR 40.0904 states “the scope and level of effort of the risk characterization shall depend on the complexity of the disposal site and response action being performed. The risk characterization shall be of sufficient scope and adequately documented to demonstrate that the Response Action Performance Standard (RAPS) has been met in accordance with 310 CMR 40.0191. This is obviously not the case with this document.*

Response: 310 CMR 40.0904 is not relevant to the RAM Completion Report or either of the two IRA Completion Reports. A risk characterization in accordance with that regulation will be part of the Phase II Comprehensive Site Assessment.

- 2d. *The level and quality of the Draft Report do not meet the standards established under 310 CMR 40.900. This is confirmed in a comparison with the Mass DEP document entitled “Top Ten Most MCP Risk Characterization Problems”. You could find all of them in the TRC report.*

Response: Please see the response to Comment II.2.c.

#### *TRC Draft Immediate Action Completion Report – RTN 4-28615*

- 2e. *The Introduction notes that “sediment samples were obtained at a depth of 0-0.5 feet along 3 sample lines oriented parallel to the shoreline to assess human and ecological exposure”. The Kings Cove is impacted by sediment being carried in with Fore/ Town Rivers and Boston Harbor waters. A sample depth of 0-0.5 feet, may only consist of sediment from other Boston Harbor locations.*

Response: To meet the requirements of an Imminent Hazard Evaluation, material at ground surface or within 12 inches of ground surface must be tested and evaluated. Deeper sediments have also been tested. The evaluation of the deeper sediments will be contained in the comprehensive risk characterization for the Phase II CSA Report.

- 2f. *The second paragraph in section 2.0 - Release Description, states that the applicable 2-hour notification threshold for “arsenic is 40 mg/kg and for chromium it is 200 mg/kg” as specified in 310 CMR 40.321. The chart in 310 CMR 40.321(2)(b) states the “concentration” in ug/g not mg/kg.*

Response: See response to comment I.5.l.

#### *Testing for toxins*

- 2g. *Has there been testing of sediments on the beach and in the bricks of the beach for asbestos? If there has not been testing for asbestos, why? Residents have been concerned about this. If TRC and MassDEP are not concerned about the presence of asbestos, why not rule it out by taking samples of the bricks and sediments on the beach and in the park?*

Response: Please see the response to Comment I.1.f.

- 2h. *Have clinkers that are present on Kings Cove been tested for heavy metals? Residents in the past before knowing what they were, including children, have collected clinkers and brought them home to rock collections thinking they were odd rocks or lava rocks.*

Response: Please see the response to Comment I.6.c

- 2i *Have you tested shellfish in the cove for different heavy metals and other toxins? If it has not been done, I request that you test shellfish in the cove and explore exposure receptor pathways through ingestion of shellfish.*

Response: Please refer to the response to Comment I.6.m.

#### *Erosion control*

- 2j. *Please provide temporary erosion control measures to stop further erosion of coal ash, clinkers and burner bricks onto King's Cove Beach. The erosion has gotten significantly worse, and residents have been requesting erosion control measures for a long time. More trees and shrubs from the park have fallen onto the beach. We appreciate that caution tape has been put up in the park, however, more must be done in the interim to prevent more erosion of coal ash and clinkers.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 2k. *If Algonquin/Enbridge/Calpine find that the cost of clean-up is too costly, who will pay for the work?*

Response: Please see the response to Comment I.6.f.

- 2l. *Boston Edison, which is now Eversource, originally owned the property and dumped the coal ash, clinkers and burner bricks from the Edgar Power Plant. How much is Eversource responsible for the clean-up, if at all?*

Response: Please see the response to Comment I.6.d.

- 2m. *In the permanent solution, I request that Algonquin/Calpine do a restoration of the beach by clearing the large clinkers and bricks or covering them up to make the beach easier to walk on and prevent further erosion of coal ash, clinkers and bricks from the bank.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 2m. *Different measures should be explored as alternatives including, but not limited to, beach nourishment, removal of clinkers offsite, incorporating clinkers back into a restored bank behind erosion controls, nature-based solutions for erosion control and more armoring of the bank.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 2n. *Access to the beach via a trail should be maintained in any permanent solution so people can walk on the beach to fish, fowl, navigate boats, and launch kayaks and canoes.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 2o. *I request you test shellfish in King's Cove for the presence of toxin as the area is currently closed to recreational shell fishing because of the bacteria and could also have additional risks because of contaminated sediments. This is especially important as the area is conditionally restricted for commercial shellfish harvesting*

Response: Please refer to the response to Comment I.6.m.

- 2p. *Conditionally Restricted means: "Contains a limited degree of contamination at all times. Subject to intermittent pollution events and may close due poor water quality from rainfall events or season. When open, only commercial harvesting of soft shell clams for depuration is allowed."*

Response: Please refer to the response to Comment I.6.m.

- 2q. *I request that TRC/Algonquin/Calpine place signs on the beach stating "Closed to shell fishing" with pictures of shellfish crossed out in multiple languages including Chinese, English, Spanish and Vietnamese.*

Response: Please refer to the response to Comment I.6.m.

- 2r. *I request that the area is closed to shell fishing because of bacteria may not be widely known.*

Response: Please refer to the response to Comment I.6.m.

- 3a. *As a resident in Quincy less than two miles away from Kings Cove in Weymouth I have great concern over the development in this area. Past history has shown us the contaminants. Soil samples from Report 4-28676 have shown hazardous materials in depth. Residents I know who live closer and some that fish in the area have even more concern for their health and safety. We should be protecting and helping our land more now that we are able to have this awareness and see the erosion, pollution, and hard caused from harmful development. The Compressor Station shows increased harm and pointless*

*increase of toxins for the families and businesses who reside in Weymouth, Hingham, Quincy, Braintree, and beyond.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 4a. *My name is Inbal Goldstein and I live in the neighborhood of North Weymouth, Massachusetts along with my wife and beautiful 12 year old daughter. I live within less than a mile away from the toxic Weymouth Compressor site and my wife's parents live in the same neighborhood in a house that is less than half a mile away from the site. You and your company TRC work for and represent Enbridge, the deeply irresponsible and careless company that has built this compressor station in spite of its flawed location on highly toxic ground and in the middle of a residential neighborhood full of children, and in spite of the deep opposition of all the people in this area and of all the politicians (Republicans, Democrats, and Independents) who represent the South Shore....and now this haphazardly built facility that your company gets paid to represent has already had three emergency Gas release accidents in less than 8 months before it has even started to operate. Do you feel good about the money you make from Enbridge?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 4b. *Mr. Doherty, after you met us (the citizens of Weymouth and the South Shore) at the October 10<sup>th</sup>, 2019 public meeting at the Abigail Adams Middle School in Weymouth, I believe that you understand well how opposed we are here to this horribly dangerous, and toxic Compressor Station by Enbridge (who you represent), so this badly contaminated soil issue is just one of many reasons why we will never let this facility operate in our backyard, just as I'm sure you would never want such a toxic and dangerous facility to ever exist and operate in your backyard and especially if your backyard was already highly contaminated with many many years of toxic Industrial waste. Just think of your family, and think of your beautiful children, and you'll fully understand and appreciate why we fight for our lives here.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 4c. *I would like you to know anything less than 100% guarantee of safety from this contaminated soil means that there is a chance that my family (including myself) could be exposed to arsenic, coal ash, asbestos, and other highly toxic, and carcinogenic materials that could harm and damage our health, and expose us to an increased risk of cancer and other life endangering diseases like emphysema, asthma, etc. **ARE YOU WILLING TO MAKE A PERSONAL PROMISE THAT THIS WILL NOT HAPPEN UNDER THE TRC IMMEDIATE RESPONSE***

**ACTION PLANS?? Would you be ok if your family was exposed to these toxic contaminants near your house?**

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 4d. *I have some questions and comments for you related to the Draft Release Abatement Measure Completion Report, 54-56 Bridge Street (Release Tracking Number 4-26230), and also related to the Draft Immediate Response Action Completion Report, 90 Bridge Street, Weymouth MA (Release Tracking Number 4-28615), and also related to the Draft Immediate Response Action Completion Report, 82 Bridge Street, Weymouth MA. (Release Tracking Number 4-28676). I ask that you please personally send me replies to all these questions, as they pertain to the health and safety of my dear family:*

*Comments and questions relating to testing for toxins:*

- 4e. *Has there been testing of sediments on the beach and in the bricks of the beach for asbestos? If there has not been testing for asbestos, why? Residents have been concerned about this. If TRC and MassDEP are not concerned about the presence of asbestos, why not rule it out by taking samples of the bricks and sediments on the beach and in the park?*

Response: Please see the response to Comment I.1.f.

- 4f. *Have clinkers that are present on Kings Cove been tested for heavy metals? Residents in the past before knowing what they were, including children, have collected clinkers and brought them home to rock collections thinking they were odd rocks or lava rocks.*

Response: Please see the response to Comment I.6.c

- 4g. *Have you tested shellfish in the cove for different heavy metals and other toxins? If it has not been done, I request that you test shellfish in the cove and explore exposure receptor pathways through ingestion of shellfish.*

Response: Please see response to Comment I.6.m.

- 4h. *Please provide temporary erosion control measures to stop further erosion of coal ash, clinkers and burner bricks onto King's Cove Beach. The erosion has gotten significantly worse and residents have been requesting erosion control measures for a long time. More trees and shrubs from the park have fallen onto the beach. We appreciate that caution tape has been put up in the park, however more must be done in the interim to prevent more coal ash and clinkers to erode.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 4i. *Comments and questions relating to Cleanup Responsibility: If Algonquin/Enbridge/Calpine find that the cost of clean up is too costly, who will pay for the work?*

Response: Please see the response to Comment I.6.f.

- 4j. *Boston Edison, which is now Eversource, originally owned the property and dumped the coal ash, clinkers and burner bricks from the Edgar Power Plant. How much is Eversource responsible for the clean up, if at all?*

Response: Please see the response to Comment I.6.d.

- 4k. *Restoration- In the permanent solution, I request that Algonquin/Calpine do a restoration of the beach by clearing the large clinkers and bricks or covering them up to make the beach easier to walk on and prevent further erosion of coal ash, clinkers and bricks from the bank.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 4L. *Different measures should be explored as alternatives including, but not limited to, beach nourishment, removal of clinkers offsite, incorporating clinkers back into a restored bank behind erosion controls, nature-based solutions for erosion control and more armoring of the bank.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided

- 4m. *Access to the beach via a trail should be maintained in any permanent solution so people can walk on the beach to fish, fowl, navigate boats, and launch kayaks and canoes. I frequently walk on the beach myself.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 4n. *I request you test shellfish in King's Cove for the presence of toxins*

Response: Please see response to Comment I.6.m.

- 4o. *As the area is currently closed to recreational shellfishing because of the bacteria and could also have additional risks because of contaminated sediments*

Response: Please see response to Comment I.6.m.

4p. *This is especially important as the area is conditionally restricted for commercial shellfish harvesting*

Response: Please see response to Comment I.6.m.

4q. *Conditionally Restricted means: "Contains a limited degree of contamination at all times. Subject to intermittent pollution events and may close due poor water quality from rainfall events or season. When open, only commercial harvesting of soft shell clams for depuration is allowed."*

Response: Comment noted.

4r. *I request that TRC/Algonquin/Calpine place signs on the beach stating "Closed to shellfishing" with pictures of shellfish crossed out in multiple languages including Chinese, English, Spanish and Vietnamese.*

Response: Please see response to Comment I.6.m.

4s. *Knowledge that the area is closed to shellfishing because of bacteria may not be universally known.*

Response: Please see response to Comment I.6.m.

4t. *In the introduction of Report 4-28676, it is noted that soil samples were collected from a depth of "less than twelve inches below the ground surface". It is also noted that the site is known as the Kings Cove Conservation Area. Additionally, the site is also the location of the MWRA 60" sewage pipeline ROW going to the Braintree/ Weymouth regional pump station. The site also is the location of all utilities serving the pump station. As with all such pipeline ROWs, the material at the top of the site is covered with up to a foot of topsoil utilized to hold freshly planted grass and shrubs. Thus, any soil samples taken at less than a depth of one foot, would only consist of soil trucked in for coverage. Prior samples taken on the compressor site, show contamination up to 20' below ground level. The determination of the level of contamination exposure is based on its impact on background levels. 310 CMR 40.006 defines "background" as "those levels of oil and hazardous material that would exist in the absence of the disposal site of concern".*

Response: Please see the response to Comment I.5.h.

4u. *In section 2.1 - Release Description, the evaluation of "imminent hazard" in this section, appears to selectively choose the criteria that will yield the chosen result (results oriented testing). 310 CMR 40.903 is entitled "scope of the risk characterization and supporting documentation". This document does not define*



the risk scope of the area, nor supplies supporting documentation beyond laboratory analysis numbers.

Response: Please refer to the response to Comment II.2.b.

- 4v. *In Section 2.2 - Site Conditions, the description of the noted site is limited. 310 CMR 40.0904 states “the scope and level of effort of the risk characterization shall depend on the complexity of the disposal site and response action being performed. The risk characterization shall be of sufficient scope and adequately documented to demonstrate that the Response Action Performance Standard (RAPS) has been met in accordance with 310 CMR 40.0191. This is obviously not the case with this document.*

Response: Please refer to the response to Comment II.2.c.

- 4w. *The level and quality of the Draft Report do not meet the standards established under 310 CMR 40.900. This is confirmed in a comparison with the Mass DEP document entitled “Top Ten Most MCP Risk Characterization Problems”. You could find all of them in the TRC report.*

Response: Please see the response to Comment II.2.c.

- 4x. *The Introduction notes that “sediment samples were obtained at a depth of 0-0.5 feet along 3 sample lines oriented parallel to the shoreline to assess human and ecological exposure”. The Kings Cove is impacted by sediment being carried in with Fore/ Town Rivers and Boston Harbor waters. A sample depth of 0-0.5 feet, may only consist of sediment from other Boston Harbor locations.*

Response: Please refer to the response to Comment II.2.e.

- 4y. *The second paragraph in section 2.0 - Release Description, states that the applicable 2-hour notification threshold for “arsenic is 40 mg/kg and for chromium it is 200 mg/kg” as specified in 310 CMR 40.321. The chart in 310 CMR 40.321(2)(b) states the “concentration” in ug/g not mg/kg.*

Response: Please refer to the response to Comment I.5.1

- 4z *Mr Doherty, please respond to my comments and questions relating to all these issues I have brought up, and when you have a moment, please try to spend some time thinking about what it means to be doing work for a deeply harmful and destructive company such as Enbridge. Your talent and intelligence could be much better utilized working for an organization that is helping communities like mine to fight and oppose toxic polluters like Enbridge and to turn the tide against environmental injustice and Climate Change on Earth. Please dig deep into your heart and think about it.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

*TRC Draft Immediate Response Action (IRA) Completion Report RTN – 4-28676*

- 5a. *My name is Michael J. Lang and I am the Environmental Coordinator of the East Braintree Civic Association (EBCA). The EBCA has been involved in environmental issues in the Fore River Basin for over 50 years. I have participated in those issues for 40+ years. The included comments are to be considered in the position of the three Fore River Basin communities, relative to the noted “ TRC Draft Immediate Response Action (IRA) Completion Report RTN – 4-28676”,*

*This section notes that soil samples were collected from a depth of “ less than twelve inches below the ground surface”. It is also noted that the site is known as the Kings Cove Conservation Area. Additionally, the site is also the location of the MWRA 60” sewage pipeline ROW going to the Braintree/ Weymouth regional pump station. The site also is the location of all utilities serving the pump station. As with all such pipeline ROWs, the material at the top of the site, is covered with up to a foot of topsoil utilized to hold freshly planted grass and shrubs. Thus, any soil samples taken at less than a depth of one foot, would only consist of soil trucked in for coverage. Prior samples taken on the compressor site, show contamination up to 20’ below ground level. The determination of the level of contamination exposure is based on its impact on background levels. 310 CMR 40.006 defines “background” as” those levels of oil and hazardous material that would exist in the absence of the disposal site of concern”.*

Response: Please see the response to Comment II.2.a.

- 5b. *While I recognize the significance of the location of arsenic exceeding the 310 CMR 40.032(2)(b) standard, in light of the history of the entire “north parcel” as the Edison dumping ground, it can be assumed that the arsenic level at this site is representative of the entire compressor/ conservation area. This is supported by vast amounts of coal slag and clinkers located at the base of the conservation embankment (Kings Cove). This is further supported by the enclosed picture of the berm washout which consists almost entirely of coal slag (near B-609). Please explain why this one contaminated location was segregated from the entire conservation area when it can be assumed that the entire site is consistent with these findings.*

Response: This comment is inconsistent with the data from the MCP Site, all of which will be included in the Phase II Comprehensive Site Assessment report.

- 5c. *In the first paragraph, it notes that 310 CMR 40.0321(2)(b) is 40 mg/kg. The actual reading states that arsenic concentration (all listed hazardous material) is 40 ug/g. A gram is 0.001kg. Additionally, 310 CMR 40.0321(2)(b) also lists*

*cadmium (total), chromium, cyanide, mercury, PCB (total). The levels of these chemicals should be listed under a confirmed mg/kg standard.*

Response: Please see response to Comment I.5.I.

- 5d. *The evaluation of “imminent hazard” in this section, appears to selectively choose the criteria that will yield the chosen result (results oriented testing). 310 CMR 40.903 is entitled “scope of the risk characterization and supporting documentation”. This document does not define the risk scope of the area, nor supplies supporting documentation beyond laboratory analysis numbers. A significant amount of data exists that shows “excess lifetime cancer risk” when exposure pathways such as the recreational waters of Kings Cove are present. While TRC would have you consider only the single exposure point that they have chosen, the definition of “exposure point” states it may describe an “area or zone of potential exposure”. 310 CMR 40.0956(1) states “the focus of a substantial hazard evaluation shall be on possible exposures to “Human and Environmental Receptors”, considering the current use(s) of the disposal site and the surrounding environment”.*

Response: A Substantial Hazard Evaluation is different from an Imminent Hazard Evaluation. The primary focus of an Imminent Hazard Evaluation is on current exposures and also on “hot spots”, or area(s) of elevated contaminant concentrations.

- 5f. *The description of the noted site is limited. 310 CMR 40.0904 states “the scope and level of effort of the risk characterization shall depend on the complexity of the disposal site and response action being performed. The risk characterization shall be of sufficient scope and adequately documented to demonstrate that the Response Action Performance Standard (RAPS) has been met in accordance with 310 CMR 40.0191. This is obviously not the case with this document.*

Response: Please refer to the response to Comment II.2.c.

- 5g. *While the “shallow (0-1 ft. and 0-3 ft) soil samples show the existence of arsenic at location B-603, perimeter samples were taken at “a depth of less than 12 inches”. Since the soil at a depth of “less than 12 inches” may allow for soil samples at ground level, a deeper sample would indicate hazardous material BELOW pristine topsoil.*

Response: Please refer to the response to Comment II.2.a.

- 5h. *This section notes that soil samples collected from a depth of 0 to 1 foot at the additional perimeter locations, indicated no arsenic concentration above 40 mg/kg. 3.1 Soil Sampling, notes that at perimeter locations at a sampling depth of 0-3 feet, indicated “arsenic concentrations above 40 mg/kg.”. This may indicate as I said, that clean topsoil was placed over the MWRA ROW.*

Response: Please refer to the response to Comment II.2.a.

- 5i. *The second paragraph continues the quest for results oriented sampling. It indicates that sampling at UU-02, UU-03, UU-04, and UU-05 at a depth of “less than 12 inches” indicated “no arsenic concentration over 40 mg/kg. However, Section 4.1 notes that perimeter samples around B-603 at UU-02, UU-04, and UU-05 were “NOT AUTHORIZED FOR ANALYSIS”. 3.1 Soil Sampling, indicates that at a depth of 0-3 feet, it indicates “arsenic concentrations above 40 mg/kg.*

Response: The suggestion of “results oriented sampling” is inconsistent with the data from the Site, all of which will be presented in the Phase II Comprehensive Site Assessment Report. Because arsenic concentrations in samples collected at in UU-02, UU-04 and UU-05 at a depth of 0-3 feet indicated arsenic concentrations equal to or above 40 mg/kg, additional soil samples were collected at a depth of 0-1-feet at locations adjacent to samples UU-02, UU-04 and UU-05. These samples were collected to determine the concentration of arsenic in shallow soil consistent with the objective of the IRA Plan. Because all of the additional samples identified arsenic concentrations below 40 mg/kg, no additional sampling was warranted in this area as part of the IRA.

- 5j. *The level and quality of the Draft Report, do not meet the standards established under 310 CMR 40.900. This is confirmed in a comparison with the Mass DEP document entitled “Top Ten Most MCP Risk Characterization Problems”. You could find all of them in the TRC report.*

Response: Please see the response to Comment II.2.c.

- 5k. *The first paragraph notes that location B-603 was the only location within THE SITE with an arsenic concentration that exceeded the concentration specified at 310 CMR 40.0321(2)(b). It also notes that “the IH Evaluation evaluates the risks to recreational visitors who may be exposed to arsenic and “ OTHER CONTAMINANTS” in soil less than 12 inches below ground at location B-603”. Section 4.1 notes that perimeter samples around B-603 at UU-02, UU-04, and UU-05 were “NOT AUTHORIZED FOR ANALYSIS”. If you do not authorize, you cannot summarize. Additionally, as noted in 310 CMR 321(2)(b) none of the listed “other contaminants” other than arsenic were evaluated. Additionally, this draft report fails to recognize and evaluate the asbestos impregnated fire brick and clunkers paving the base of the site berm and extending into Kings Cove. Also, 310 CMR 40.0321(2)(c) notes when evaluating “cumulative receptor risk limits in 310 CMR 40.0993(10), that past exposures may be included in such evaluations to the extent that is reasonable to quantify those exposures The “north parcel” was used as a landfill since the 1920’s.*

Response: Please see the response to Comments I.3.b, 1.4.a, II.2.c, and II.5.i..

- 5l. *The second paragraph is both perplexing and distasteful. The current site conditions “show the site consisting of a park/walkway with an abutting ocean front beach that has been utilized since colonial times for recreation and ocean related food. 310 CMR 40.0322(3)(a) notes that “risk of harm to the environment” shall be based on the data collected pursuant to the response action being performed and the site, receptor, and exposure information. The Kings Cove beach area has been closed to swimming and clam harvesting as a result of north parcel leaching contaminants. 310 CMR 40.0956(1)(b) notes “the period of exposure to be considered SHALL BE EQUAL TO OR GREATER than the time from notification to the date that the Substantial Hazard Evaluation is conducted, PLUS 5 YEARS. Also, the obvious use of a child to be used to evaluate the acceptable risk level of contamination, is beyond words. Because this is the standard used, I must comment 310 CMR 40.0921 Identification of Human Receptors, deals with this issue. 310 CMR 40.0921(4) gives a list of descriptions of groups without limitations. (e) gives the child group as “children , ages one to eight years, not your noted 6 years old. Other groups that deserve consideration, include “lifelong residents at the disposal site (like the residents along Kings Cove), trespassers, women of child bearing age, and construction workers. In addition to the DEP group considerations, are “habitats” including (c) fresh and saltwater fisheries, including but not limited to, shellfish areas” such as the Kings Cove area which has not been considered.*

Response: The regulations referenced in the comment are not applicable to the IRA Completion Reports. As specified in the MCP, the focus of the Imminent Hazard Evaluation is the evaluation of risk to current receptors, considering an appropriately short period of time, defined as 5 years or less. The most sensitive receptor for this type of evaluation would be a child less than 6 years of age. Long-term exposures will be included in the comprehensive risk characterization that will be part of the Phase II Comprehensive Site Assessment. An ecological risk characterization will also be part of the Phase II Comprehensive Site Assessment.

- 5m. *310 CMR 40.0921 Identification of Human Receptors, deals with this issue. 310 CMR 40.0921(4) gives a list of descriptions of groups without limitations. (e) gives the child group as “children , ages one to eight years, not your noted 6 years old. Other groups that deserve consideration, include “lifelong residents at the disposal site (like the residents along Kings Cove), trespassers, women of child bearing age, and construction workers. In addition to the DEP group considerations, are “habitats” including (c) fresh and saltwater fisheries, including but not limited to, shellfish areas” such as the Kings Cove area which has not been considered.*

Response: Please see the response to Comment II.5.m.

- 5n. *The submitted TRC Draft Immediate Response Action Completion Report RTN 4-28676, through tunnel vision and the selective use of regulations, has reached the conclusion that “the concentrations of arsenic in soil do not present an IH”. 310 CMR 40.0903 states “the risk characterization shall be of SUFFICIENT SCOPE and ADEQUATELY DOCUMENTED to demonstrate that the Response Action Performance Standard (RAPS) has been met in accordance with 310 CMR 40.0191. 310 CMR 40.0922 requires that Environmental Receptors be identified in the surrounding environment (Kings Cove residents). This has not been done. 310 CMR 40.924(2)(a)(2) notes that “for soil, the exposure points shall be defined by the horizontal and vertical distribution of the contaminated soil in combination with the soil category (ies) determined to be applicable”. The report did not consider the past erosive effect on the site berm. The arsenic bearing fire brick and clinkers appear to pave the Kings Cove beach area. The report did not make the obvious conclusion that the fire brick and clinkers came from the studied area (see the included picture). While the report noted the arsenic level at B-603, it did not allow lab analysis of surrounding soil samples*

Response: Please see the response to Comment 2.5.m..

- 5o. *The paragraph states that “no further field investigations are planned regarding arsenic concentrations in soil that are the subject of this IRA. Through this report, TRC has directed the field investigation to one specific location and chemical contaminant, rather than determining if other contaminants have leached to other locations from the site. The DEP requires that site investigations consider all chemical contamination beyond arsenic.*

Response: Please see the response to Comments I.3.b, 1.4.a, II.2.c, and II.5.i..

- 5p. *The paragraph states that “the objectives identified in the MCP and have been designed and performed according to our understanding of the conditions present at the site”. Additionally, the IRA was conducted in conformance with the VERBAL IRA PLAN. This obviously shows the lack of control by the MassDEP, and the TRC prospective that the regulations are subject “according to our (their) understanding”. The final sentence shows TRC’s control of this DEP requirement by noting that “an IH condition does not exist at this site”.*

Response: The LSP has certified that the IRA was conducted in accordance with the MCP on the BWSC-105 transmittal form accompanying the IRA Completion Report which states, in Section E:

The response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y)

with the identified provisions of all orders, permits, and approvals identified in this submittal.

*Draft Immediate Action Completion Report – RTN 4- 28615*

5q. *The section notes that “sediment samples were obtained at a depth of 0-0.5 feet along 3 sample lines oriented parallel to the shoreline to assess human and ecological exposure”. The Kings Cove is impacted by sediment being carried in with Fore/ Town Rivers and Boston Harbor waters. A sample depth of 0-0.5 feet, may only consist of sediment from other Boston Harbor locations.*

Response: Please refer to the response to Comment II.2.e.

1.0 *Release Description*

*The second paragraph states that the applicable 2-hour notification threshold for “arsenic is 40 mg/kg and for chromium it is 200 mg/kg” as specified in 310 CMR 40.321. The chart in 310 CMR 40.321(2)(b) states the “concentration” in ug/g not mg/kg.*

Response: Please refer to the response to Comment I.5.I

2.2 *Site Condition*

*The stated definition of “anthropogenic (man made) material is not accurate. “caused by human or their activity of nature”, is more accurate. As you should know, coal in any form is not “man made”.*

Response: Comment noted.

2.3 *Surrounding Receptors*

*Missing from the list of “surrounding receptors”, are the residents on the opposite side of Kings Cove which is closer than Calpine. Additionally, the Fore River Bridge carries 33,000 vehicles per day, which should be considered a “surrounding receptor” based on a 2 direction 5 day a week commute to/from Boston. When the bridge is open, it is a 20 or more minute wait for it to close.*

Response: Evaluation of direct contact (ingestion, dermal contact, and inhalation of dust) exposures to people at the Kings Cove Conservation Area was conducted.. Four hours of dust inhalation was assumed for a visitor to the Kings Cove Conservation Area which exceeds the estimated time of an area commuter.

3.1 *Supplemental Sediment Sampling*

*This section reads like the description of a magician's trick where he first diverts the audience's attention. It is well documented that Boston Edison had dumped coal, fire brick, asbestos, and construction debris in the north parcel landfill between the 1920's and 1970's. The arsenic, chromium and asbestos, can be traced back to the coal, fire brick, and furnace insulation material. Sampling done at a depth of 0-0.5 ft., will only result in analysis of sediment from other locations that had come with incoming tides. Also, in TRC's quest for analysis of sediment in the Kings Cove, how could they bypass the fire brick paving a large portion of the beach area, to get to the sediment that sits below the brick?*

Response: Please see response to Comment II.2.e. Bricks along the shore were moved as needed to access sediment.

#### 4.1 Sediment Sample Results

*310 CMR 40.321(2)(b) lists chromium and arsenic units as ug/g not mg/kg.*

Response: Please refer to the response to Comment I.5.I

#### 4.2 Imminent Hazard Evaluation

*310 CMR 40.955(4) states "the documentation of the imminent Hazard Evaluation shall clearly state whether the conditions at the disposal site pose an Imminent Hazard based upon criteria described in 310 CMR 40.0955(1) through (3). Lacking from this short section, is most of the required criteria noted in 310 CMR 40.0955. While section 4.2 limits itself on evaluating the risks to "recreational visitors", 310 CMR 40.0955(3) questions "the risk of harm to the environment". Additional consideration is given to stressed biota, the site, and exposure information. 310 CMR 40.0955(4) clearly stresses compliance to this requirement.*

Response: The IRA Completion Reports and the Imminent Hazard evaluations appended to them conclude that conditions at the MCP Site do not pose an Imminent Hazard.

*The final sentence ( page 4-1) offers limited information on the IH Evaluation. Additionally, the "applicable guidance" is without a source.*

Response: The Imminent Hazard Evaluation in its entirety is included as Appendix D to the IRA Completion Report. The text of the IRA Completion Report only provides a brief summary of the Imminent Hazard Evaluation, and refers the reader to Appendix D for more details.



*Page 4-2 offers another example of data manipulation in order to reach a set result. The paragraph states “an IH Evaluation is focused on actual or likely exposure to receptors under current site conditions considering a period of time that is 5 years or less”. 310 CMR 40.0956(1)(b) states “the period of exposure to be considered shall be equal to or greater than the time from Notification to the date that the Substantial Hazard Evaluation is conducted PLUS 5 YEARS. 310 CMR 40.0921(4) states “the Human Receptor shall be described in terms such as age group .....” Children ages one to EIGHT YEARS” not 6 YEARS !!*

Response: A Substantial Hazard Evaluation is different than an Imminent Hazard Evaluation. The regulatory requirement for an Imminent Hazard Evaluation are provided in 310 CMR 40.0951 through 310 CMR 40.0955.

*While page 4-2 IH Evaluation utilizes “current site conditions and CURRENT uses of the site”, 310 CMR 40.0923 “identification of site activities and uses” states “ the Site Activities and Uses shall include all current and REASONABLY FORESEEABLE uses and activities occurring at the disposal site or in the surrounding environment .....”.*

Response: The comprehensive risk characterization being completed as part of the Phase II Comprehensive Site Assessment Report will include an evaluation of all current and reasonably foreseeable activities and uses. The role of the Imminent Hazard Evaluation is to focus only on current site conditions and uses.

#### 6.0 *Statement of IRA and Conclusions 310 CMR 40.0427(4)(d)*

*310 CMR 40.0427(1)(a) requires the remediation of adverse site conditions including (a) the accomplishment of any necessary stabilization of site conditions. The enclosed pictures show an example of the site berm which has collapsed and exposed a wall of coal clinkers. This is an obvious source of arsenic and represents a hazard to receptors utilizing the park. TRC attempts to conclude that the concentrations of COPCs in sediment do not present an IH. The depth of the sampling includes only sediment from other Boston Harbor locations. The shallow sediment will be gone with the next storm, and will expose the contaminated Kings Cove.*

Response: Please see response to Comment II.2.e.

#### 9.0 *LSP Opinion 310 CMR 40.0427(5)*

*This section states “ the IRA was conducted in conformance with the “VERBAL IRA PLAN”. 310 CMR 40,009 “ Certification of Submittals” lists all of the WRITTEN submittals required for the IRA. 310 CMR 40.009(2) states “the*

*WRITTEN” declaration in 310 CMR 40.009(1) required of a person undertaking a response action shall be made by the highest ranking individual (s) having day-to-day responsibility for the performance of the response action which is the subject of the submittal”. It would appear that the lack of “certification of the IRA Plan”, would nullify this project.*

Response: The certification referenced is included on the BWSC-105 transmittal form for the IRA Completion Reports which is signed by the LSP as part of the document submittal process.

- 5r. *The East Braintree Civic Association and the residents of the Fore River Basin, ask that TRC and Enbridge/ Algonquin be required to abide by the ten issues to consider before submitting an MCP Risk Characterization document” as noted in the MassDEP document “ Top Ten Most Common MCP Risk Characterization Problems”. Based on our review of the DEP document and the submitted “ Draft Immediate Response Action Completion Reports – RTN 4-28615 & RTN 4-28676” TRC and Enbridge/ Algonquin have failed in all “Risk Characterizations”.*

Response: The Imminent Hazard Evaluations that are part of the IRA Completion Reports comply with the applicable regulations and guidance as will the Phase II Comprehensive Site Assessment to which the guidance mentioned in this comment refers.

- 6a I was unhappy with the format. Too many questions screened and not answered. We need a face to face meeting next. Thank you for making it possible to have a regular meeting.

Response: Comment noted.

- 7a. *Has there been testing of sediments on the beach and in the bricks of the beach for asbestos? If there has not been testing for asbestos, why? Residents have been concerned about this. If TRC and MassDEP are not concerned about the presence of asbestos, why not rule it out by taking samples of the bricks and sediments on the beach and in the park?*

Response: Please see response to Comment I.1.f.

- 7b. *Have you tested shellfish in the cove for different heavy metals and other toxins? If it has not been done, I request that you test shellfish in the cove and explore exposure receptor pathways through ingestion of shellfish.*

Response: Please refer to the response to Comment 1.6.m.

- 8a. *I write to express my concern about the Public Involvement Process (PIP) for cleanup of the North Parcel in Weymouth. First, the process: The virtual format*

*during COVID did not meet the criteria for a public meeting. Participants were not able to see one another, or to confer via the chat feature, in order to coordinate questions and comments in real time. Nor were we able to see one another's questions, which were vetted by the meeting host with many not answered. I have been in many other meetings where the Q&A feature was used to query meeting leaders, where participants were visible, and where and chat was used for participants to confer among themselves, so it was not a problem of technology.*

Response: Comment noted.

- 8b Second, the content: From the first day of the PIP, TRC/MassDEP were clearly allied with Enbridge in denying the extent of the site's toxicity, and the dangers to the public, and to the environment from its "cleanup." I could list numerous examples, but most of them were cited at one or more of the meetings, and dismissed. Just one example is the documentation of decades of dumping of used asbestos-containing burner bricks at the North Parcel (which several of us reviewed at the Harvard Business School Baker Library Archives of the Edgar Power Plant). Yet the bricks chosen for testing by TRC were all from the top foot or so of soil, meaning that they would have been deposited there after asbestos was banned from bricks in the 1970's. Having observed the cleanup in person on many occasions, I can attest that soil was dug out in holes at least as deep as the height of a grown man (and carted away in trucks with filthy tires, and with coal ash blowing off the back). Bricks were extracted, broken, and strewn about the site, with asbestos fibers likely blowing onto Rt. 3-A and surrounding neighborhoods.*

Response: Algonquin and TRC vehemently disagree with the suggestion that TRC and Mass DEP have been "allied with Enbridge in denying the extent of the site's toxicity." The substance of this comment relating to the potential for asbestos to be contained in bricks at the MCP Site is inconsistent with the data from the MCP Site.

- 8c. To add insult to injury, residents were scolded for not being willing to accept any risks in the name of the projects "benefits." We know that all of the gas from Enbridge's compressor station is destined for points beyond Massachusetts, and all of the profits go to Houston and Calgary, while Mass. residents will pay for this project on their energy bills, and already overburdened EJ communities will suffer more health and safety impacts. . . all for no benefit whatsoever.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 8d. I used to have confidence that MassDEP existed to protect residents and the environment. Being involved in the PIP, along with more than six years of engagement in the permitting process for the Weymouth compressor station has*

*decimated that belief. Regulatory capture appears to rule the Commonwealth's energy and environmental policy. My taxes pay the salaries people who betray the public's trust, health, and safety, working not for those who employ them, but for the polluters they are supposed to regulate. Participating in the PIP has made me disillusioned, disgusted, and determined to make change. I hope that the recent passage of the Next Generation Climate bill will be a catalyst for the systemic change that needs to take place in order to restore the people's trust.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 9a. *Has there been testing of sediments on the beach and in the bricks of the beach for asbestos? If there has not been testing for asbestos, why? Residents have been concerned about this, and if TRC and MassDEP are not concerned about the presence of asbestos, then why not rule it out by taking samples of the bricks and sediments on the beach and in the park so as to give residents greater peace of mind?*

Response: Please see response to comment I.1.f.

- 9b. *Have clinkers that are present on Kings Cove been tested for heavy metals? Residents in the past before knowing what they were, including children, have collected clinkers and brought them home to rock collections thinking they were odd rocks or lava rocks.*

Response: Please see the response to Comment I.6.c

- 9c. *Have you tested shellfish in the cove for different heavy metals and other toxins? If it has not been done, I request that you test shellfish in the cove and explore exposure receptor pathways through ingestion of shellfish*

Response: Please see response to Comment I.6.m.

- 9d. *Please provide temporary erosion control measures to stop further erosion of coal ash, clinkers and burner bricks onto King's Cove Beach. The erosion has gotten significantly worse and residents have been requesting erosion control measures for a long time. More trees and shrubs from the park have fallen onto the beach. We appreciate that caution tape has been put up in the park, however more must be done in the interim to prevent more coal ash and clinkers to erode.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 9e. *If Algonquin/Enbridge/Calpine find that the cost of clean up is too costly, who will pay for the work?*

Response: Please refer to the response to Comment I.6.f

- 9f. *Boston Edison, which is now Eversource, originally owned the property and dumped the coal ash, clinkers and burner bricks from the Edgar Power Plant. How much is Eversource responsible for the clean up, if at all?*

Response: Please see the response to Comment I.6.d.

- 9g. *In the permanent solution, I request that Algonquin/Calpine do a restoration of the beach by clearing the large clinkers and bricks or covering them up to make the beach easier to walk on and prevent further erosion of coal ash, clinkers and bricks from the bank.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 9h. *Different measures should be explored as alternatives including, but not limited to, beach nourishment, removal of clinkers offsite, incorporating clinkers back into a restored bank behind erosion controls, nature-based solutions for erosion control and more armoring of the bank*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 9i. *Access to the beach via a trail should be maintained in any permanent solution so people can walk on the beach to fish, fowl, navigate boats, and launch kayaks and canoes.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 9j. *I request you test shellfish in King's Cove for the presence of toxins*

Response: Please see the response to Comment I.6.m.

- 9k. *As the area is currently closed to recreational shellfishing because of the bacteria and could also have additional risks because of contaminated sediments*

Response: Please see the response to Comment I.6.m.

- 9l. *This is especially important as the area is conditionally restricted for commercial shellfish harvesting. Conditionally Restricted means: "Contains a limited degree of contamination at all times. Subject to intermittent pollution events and may close due poor water quality from rainfall events or season. When open, only commercial harvesting of soft shell clams for depuration is allowed."*

Response: Please see the response to Comment I.6.m.

- 9m. *I request that TRC/Algonquin/Calpine place signs on the beach stating "Closed to shellfishing" with pictures of shellfish crossed out in multiple languages including Chinese, English, Spanish and Vietnamese.*

Response: Please see the response to Comment I.6.m.

- 9n. *Knowledge that the area is closed to shellfishing because of bacteria may not be universally known and there needs to be more work done to educate the public about this.*

Response: Please see the response to Comment I.6.m.

- 10 *I live diagonally across the Fore River from this facility and I am aware of Many of the obvious dangers. The unexplained unexpected release of toxic fumes Is criminal. My area is an environmental justice zone which is being ignored. What Is being done to protect people in this area. Where are the monitors, escape routes and aids. What is being done to clean the air, the soil.....the property values....the quality of life.*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 11a. *As representative of the Public Involvement Program (PIP), I am making the following comments on the DRAFT Release Abatement Measure Completion Report RTN4-0026230, DRAFT Immediate Response Action Completion Report RTN4-0028615 and the DRAFT Immediate Response Action Completion Report RTN4-0028676 as well as commenting on the PIP meeting held April 7, 2021: 1. The Public Involvement Program participants want to insure that the upcoming meeting to be held in mid August 2021 will be one of real public participation instead of the constricted format chosen by TRC/Enbridge on April 7, 2021. There was no reason to exclude the faces and voices of the citizens who registered for the zoom format. What was chosen was a format that prevented the public from interacting with the presenters and each other. The questions were selected by the TRC/Enbridge facilitator and read by the facilitator instead of the citizens having a voice and speaking for themselves. One of my questions on the imminent hazard of coal ash was rejected for discussion with an unsatisfactory "we will leave it at that." This format actually discouraged public participation. This is not the way a public access meeting should be run whether using a zoom format or not. It is my expectation that, in August, we will be face to face in a truly public setting like the Abigail Adams Middle School. If Covid still acts as a deterrent, the PIP participants can meet outside, fully vaccinated in a public park, playing field with bleacher seating, etc. That will fulfill the intention of 310CMR40.000.*

Response: Comment noted.

- 11b. *The explanation for why coal ash does not pose an Imminent Hazard in the Kings Cove is not satisfactory. How were exposure limits and age limits determined for IH? Coal ash is pervasive throughout the North Parcel as it is the actual fill for the parcel itself. Historic photos show water present not land! The Edgar Coal Plant dumped coal ash containing heavy metals of arsenic, chromium and asbestos for decades. Why it would not be a IH does not make any sense. I would expect more information to be presented at the August 2021 PIP meeting to answer this more fully. I was part of a group who went to the Edgar Archive at the Harvard Library where the complete history of the Edgar Coal Plant is held. We examined ledgers, documents, etc. which describe the continuous dumping of furnace bricks at the North Parcel. These "burner bricks" are present along the Kings Cove shore in the thousands along with the residue of burned coal aka "clinkers." Asbestos was not satisfactorily tested with a large enough sample of furnace bricks. The original manufacturers' stamps on the bricks upon research reveal their composition which include asbestos and chromium. The PIP participants would like to have the Inspector who did this asbestos analysis be present at the next PIP meeting in August as we could not get adequate answers at the April 7, 2021 PIP meeting. It is not acceptable that asbestos is not considered a "contaminant of concern." Why not?*

Response: Samples of sediments and soil containing ash have been collected and analyzed. A small number of these samples collected at the ground surface or within 12 inches of ground surface triggered reporting thresholds listed in the MCP that "could pose" an imminent hazard. The data were evaluated in the Imminent Hazard Evaluations and the conclusion each time was that an imminent hazard condition did not exist at the MCP Site because the concentrations of OHM were not elevated enough to be of concern in the short-term. The evaluation of long-term exposures will be included in the comprehensive risk characterization being completed as part of the Phase II Comprehensive Site Assessment Report. Because asbestos has not been detected at the Site it is not a contaminant of concern for the risk characterization.

- 11c. *The DRAFT RAM in section 2.1.8.1 on page 11 describes the Air Sampling done during construction of the compressor station. The detailed and extensive results of the dust monitors are given as part of Appendix B. However, although a photo-ionization detector (PID) was used to test for the VOCs, there is no table of reported results of the air monitoring for VOCs. There is no information except a sentence that states "there were no VOCs found during construction". This is not satisfactory as we know there are measurable VOCs already present in the air at the North Parcel! The PID could not have recorded zero. How many PID monitors were used? Where were the monitors located? How many times were they used? What were the actual results? Please make this information public as*

*this is vital to the health of the citizens. We need to have real data from your air monitoring of VOCs.*

Response: Please refer to RAM Status Reports #1 and 2 for information regarding PID readings between November 2019 and September 2020. One PID was used to monitor VOCs in the work zone during construction. PIDs take readings continuously in real time while they're turned on and running. No VOCs were measured in the work zone during construction, with the exception of interferences from moisture or vehicle exhaust. The PID was used for health and safety purposes and the data was not downloaded from the unit.

- 12a. *The Draft RAM Completion Report for the Weymouth Compressor Station, dated February 2021, states in section 2.1.10 that water samples were collected from three fractionation tanks containing a mix of hydrostatic water and stormwater. In part it says that "Arsenic and barium were detected slightly above the laboratory reporting limits (detections at 6 micrograms per liter [ $\mu\text{g/L}$ ] and 33  $\mu\text{g/L}$ , respectively)." What is a 'fractionation tank?'*

Response: A large (10,000-20,000-gallon) tank used to store liquids, typically water.

- 12b. *What is 'hydrostatic water'?*

Response: Hydrostatic testing is the use of water under pressure to test the competency of newly installed pipe and fittings. Water is transferred from the hydrant to the newly installed pipe and put under pressure. Upon completion of the test, the water is transferred from the pipe to an on-site storage tanks. At that time, water samples are collected to characterize the water for off-site disposal. Upon confirmation from the proposed disposal facility, a tanker truck is dispatched to transfer the water from the on-site storage tanks to the tanker truck and the water is transported off-site.

- 12c. *Where does that hydrostatic water come from? Whatever the source of the hydrostatic water, I am concerned that the samples of hydrostatic water and stormwater contained unacceptable and excessive levels of substances -- barium and arsenic -- that are highly toxic to living things, including humans. If I am correct in the assumption that these toxic substances come from the contaminated soil which still sits below virtually the entire Compressor site, how do we know that such toxic substances won't leach out in the future, creating an ongoing public health risk both for workers at the site and nearby residents, including those who live in designated environmental justice areas.*

Response: The water used for hydrostatic testing came from a nearby fire hydrant.



- 13a. *In reading the Draft report for King's Cove Park you mention receptor pathways were "recreational visitors could potentially be exposed to surficial sediment primarily through incidental ingestion (i.e., a result of hand-to-mouth activity) and dermal contact."*

*It is assuming people visit once a week, however residents visit the park and beach more frequently.*

Response: Please refer to the response to Comment II.1.a.

- 13b. *Many shellfish are present at King's Cove Park. There are clams, mussels, oysters and quahogs. Attached are photos of shellfish in the Cove including a live oyster growing on a clinker.*

*Recreational shellfishing is generally prohibited in the Fore River Basin because of bacteria, however King's Cove is Conditionally Restricted (See attached document) Conditionally Restricted means: "Contains a limited degree of contamination at all times. Subject to intermittent pollution events and may close due poor water quality from rainfall events or season. When open, only commercial harvesting of soft shell clams for depuration is allowed."*

*I request that TRC speak with Massachusetts Division of Marine Fisheries to look into putting an additional advisory closure for shellfishing in the west side of King's Cove along the Park because of the heavy metal releases. If conditions of water quality improve with respect to bacteria, the area could potentially be opened to commercial then recreational shellfishing. An additional advisory of heavy metals should be put in place.*

Response: Please see the response to Comment I.6.m.

- 13d. *Have you done analysis and explored heavy metal exposure to receptor pathways through the ingestion of shellfish in the cove? If not will you commit to doing exposure analysis for heavy metals to receptor pathways through ingestion of shellfish on the cove in Phase II?*

Response: Please refer to the response to Comment I.6.m.

- 13e. *Have you tested shellfish in the cove for different heavy metals and other toxins? If not will you commit to doing testing in Phase II?*

Response: Please refer to the response to Comment I.6.m.

- 13f. *I request that you test the soils in the clam mudflats as you have not done any ground penetrating radar or soil testing around the flats as they are exposed at low tides.*

Response: Please refer to the response to Comment I.6.m.

- 13g. *As the area is currently closed to recreational shellfishing because of the bacteria and could also have additional risks because of contaminated sediments, I request that TRC/Algonquin/Calpine place signs on the beach stating "Closed to shellfishing" with pictures of shellfish crossed out in multiple languages including Chinese, English, Spanish and Vietnamese. I included images of some examples attached. I suspect that knowledge that the area is closed to shellfishing may not be universally known.*

Response: Please see the response to Comment I.6.m.

- 13h. *Is there any concern of receptor pathway exposure from recreational fishing on King's Cove Beach? The beach has been open to recreational fishing and should remain open to recreational fishing and kayak/canoe launching and should be in the future. If recreational fishing and kayak/canoe launching, walking on the beach are not safe, then it should be made safe in the remediation process final solution for the property. Our Chapter 91 rights of navigation, fishing and fowling in the intertidal zone of King's Cove shall not be rescinded or restricted. Access to the beach via a trail should be maintained in any permanent solution so people can walk on the beach to fish, fowl, navigate boats and launch kayaks and canoes.*

Response: Please see the response to Comment I.6.m.

- 13i. *Asbestos was not mentioned once in the document. Has there been testing of sediments on the beach and in the bricks of the beach for asbestos?*

Response: Please see the response to Comment I.1.f.

- 13j. *If there has not been testing for asbestos why? Residents have been concerned about this. If TRC and MassDEP are not concerned about the presence of asbestos, why not rule it out by taking samples of the bricks and sediments on the beach and in the park?*

Response: Please see the response to Comment I.1.f.

- 13k. *Have you tested what heavy metals are in clinkers themselves? Residents in the past before knowing what they were, including children have collected clinkers and brought them home to rock collections thinking they were odd rocks or lava rocks. I myself as a child found one on the Boston Harbor Islands and brought it home unknowing of toxins.*

Response: Please see the response to Comment I.6.c.

- 13l. *Can you please provide temporary erosion control measures to stop further erosion of coal ash, clinkers and burner bricks onto King's Cove Beach? The erosion has gotten significantly worse and residents have been requesting erosion control measures for a long time. More trees and shrubs from the park have fallen onto the beach. We appreciate that caution tape has been put up in the park, however more must be done in the interim to prevent more coal ash and clinkers to erode.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 13m. *Can all answers to questions from the PIP meeting be sent to the registrants of the PIP meeting as well as put in the response documents? It would be helpful to have peoples questions answered to their emails together as well as in the documents to follow. It can be hard for folks to look through the documents to find answers.*

Response: Please see the response to Comment II.1.k.

*Can the future PIP meeting show all the questions submitted and can people vote on them before they are answered? I have seen this done in other zoom meetings in the Q&A function.*

Response: Please see the response to Comment I.2.i.

- 13n. *If Algonquin/Enbridge/Calpine find that the cost of clean up is too costly, who will pay for the work?*

Response: Please see the response to Comment I.6.f.

*It is my understanding that Algonquin/Enbridge is taking this up on their own accord, however the land is owned by Calpine. I am concerned that this web of responsible parties may cause a muddying of responsibilities.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 13o. *Algonquin and Calpine have dropped the ball and are not plowing Lovell's Grove parking lot and have plowed King's Cove parking lot intermittently. Similar issues have arisen in maintenance and emptying trash receptacles in both parks.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 13p. *Boston Edison, which is now Eversource, originally owned the property and dumped the coal ash, clinkers and burner bricks from the Edgar Power Plant. How much is Eversource responsible for the clean up, if at all? It is my understanding they are off the hook because they are not the property owner anymore and it is not declared a superfund site.*

Response: Please see the response to Comment I.6.d.

- 13q. *In the permanent solution, I request that Algonquin/Calpine do a restoration of the beach by clearing the large clinkers and bricks or covering them up to make the beach easier to walk on and prevent further erosion of coal ash, clinkers and bricks from the bank. Making the beach more walkable for recreational users was something also expressed at a previous meeting of the Conservation Commission by the [late Chair of the Commission Tom Tanner who tragically died from complications of COVID-19.](#)*

Response: Please see the response to Comment I.6.l.

- 13r. *If you walk around the other parts of the cove, it is not covered in coal ash and clinkers and it is easier to walk on. The beach must be restored to look like other parts of the cove.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 13s. *Different measures should be explored as alternatives including but not limited to beach nourishment, removal of clinkers offsite, incorporating clinkers back into a restored bank behind erosion controls, nature based solutions for erosion control and more armoring of the bank. I prefer a more nature based solution for the erosion of the clinkers and the bank but would like to see different feasibilities for each.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 13t. *Access to the beach via a trail should be maintained in any permanent solution so people can walk on the beach to fish, fowl, navigate boats and launch kayaks and canoes.*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 13u. *Here are examples of "Closed to Shellfishing" Signs in Quincy Point at Mound Street Beach about a mile away from King's Cove upstream on the Town River. There were 2 signs, both were only in English which is unfortunate however there was at least some signage. Please send my request along to*

*Calpine and Enbridge to install signage like this but in multiple languages.*

Response: Please see the response to Comment I.6.m..

- 14a. *Can you confirm that at the time of the last PIP meeting, there has been no testing for asbestos at the North Parcel since the original representative sampling of 8 bricks?*

Response: Please refer to the response to Comment I.1.f.

- 14b. *Please confirm that just 8 bricks were the representative sample that was tested for asbestos.*

Response: Please refer to the response to Comment I.1.f.

- 14c. *Who decided on the representative sample size of 8 bricks for the original testing for asbestos at the North Parcel, names and titles please?*

Response: Please refer to the response to Comment I.1.f.

- 14d. *What was logic behind the 8 brick representative sample size for the thousand (sic) of tons of possible contaminated material at the North Parcel? How was this representative sample size decided?*

Response: Please refer to the response to Comment I.1.f.

- 14e. *Why was the decision made not to test for asbestos on the beach of King's Cove at The North Parcel in the previous phase of testing when so much of the public inquiry of the previous PIP meeting was dedicated to the public concerns about potential asbestos bricks seen on the beach and visibly protruding from the soil at The North Parcel?*

Response: Please refer to the response to Comment I.1.f.

- 14f. *Who made this decision to wait for the next phase to test for asbestos? What are the names of the people, their professional positions and responsibilities?*

Response: Please refer to the response to Comment I.1.f.

- 14g. *How many tons of material were excavated and removed from the North Parcel (without specific asbestos safety protocols) before and during construction on the compressor station?*

Response: Section 2.2.1 of the Draft RAM Completion Report indicates that 17,301.82 tons of soil was shipped to either Turnkey Landfill or Fitchburg Landfill under MassDEP Bills of Lading.

14h. *For James Doherty directly: Why did you chose not to answer directly the question to confirm that only 8 bricks were tested for asbestos, at the last PIP meeting, and only to refer to them as a representative sample? Was this answer meant to minimize the fact that the testing of only 8 bricks was used the justify the absence of asbestos removal protocols in the excavation of several tons of contaminated material?*

Response: Please see response to Comment I.1.f.

14i. *What is the name of the original Licensed Asbestos Inspector who conducted the investigation into asbestos at the North Parcel, who oversaw the original testing of the 8 bricks? What is their MA State license number and who do they directly work for (the name of the company)? What are their professional credentials relevant to asbestos inspection? What was their previous position(s) or job(s) working for the Massachusetts Department of Environmental Protection?*

Response: Please refer to the response to Comment I.1.f.

14j. *Which certified Asbestos Analytical Lab (AAL) was used for asbestos testing? What is their Class Certification?*

Response: EMSL Laboratory.

14k. *Is a MA state licensed professional asbestos inspector trained to make visual inspections to identify possible signs of the presence of asbestos?*

Response: Massachusetts-Licensed Asbestos Inspectors are trained to inspect for materials suspected to be asbestos containing.

14l. *Would a MA state licensed professional asbestos inspector looking for evidence of the presence of asbestos in kiln bricks be expected to know of widespread use of asbestos in kiln bricks produced before 1970?*

Response: Licensed Asbestos Inspectors know and understand that asbestos was used in manufacturing of brick.

14m. *Would a state licensed professional asbestos inspector looking for possible asbestos bricks on or in the ground of the North Parcel be expected to know or be expected to research the origin of possible asbestos bricks found in abundance on the beach and seen embedded in the soil of King's Cove, the coast of the North Parcel?*

Response: The licensed asbestos inspectors sampled all of the different types of brick observed in the Kings Cove Conservation Area.

14n. *Would a MA state licensed professional Asbestos Inspector be expected to do a simple internet search of the names of companies seen on these possible asbestos bricks that would have revealed that some of these brick manufacturers have been directly identified as using asbestos in the production of their bricks?*

Response: Please see the responses to Comments I.1.f and 2.14.n.

14o. *Were any of the representative sample of 8 bricks stamped "oil", making them less likely to contain asbestos since this would indicate that they were likely to have been used in the Edgar power plant after it switched from coal energy production to oil around 1970, after the use of asbestos in kiln bricks was curtailed?*

Response: Please see the responses to Comments I.1.f and 2.14.n. Representative samples of homogeneous brick were collected and analyzed for asbestos content.

14p. *Who or what agency is responsible for overseeing and disciplining possible conduct violations of licensed professional Asbestos Inspectors?*

Response: MassDEP and the Massachusetts Department of Labor and Standards.

*To whom should a complaint be filed?*

Response: Please refer to the response to Comment II.14.P.

14q. *Who is the certified Asbestos Inspector that will be conducting the asbestos testing in the next phase of testing at King's Cove? Will the same Asbestos Inspector of the original testing of the 8 bricks be conducting the next inspection and testing?*

Response: Please refer to the response to Comment I.1.f.

14r. *Were any of estimated 1,100 truckloads of contaminated material removed from the site tested for the presence of asbestos before or after they were trucked through public roadways to be dumped in a landfill? If so, how many truckloads were tested and which lab did the testing?*

Response: No. Please refer to the response to Comment I.1.f.

14s. *For Dave Sullivan: Please don't respond with "that's an awful question to ask" as you did in the previous PIP meeting. Why did you characterize the Mass DEP as "acting with distinction on this property" when the DEP's own Presiding Officer Jane Rothchild criticized her own agency, the MA DEP, in an official proceeding*

*for failing to include massive amounts of testing data relating to an assessment that led to the permitting of the Weymouth compressor?*

Response: This comment does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

- 14t. *Why did we not see the questions asked by the public as they were asked and entered into the chat? Questions appeared in the chat after they were asked. Were the questions we saw in the chat curated before being presented in the active public chat window? Were questions eliminated? What was the specific criteria used for not sharing some of the public's questions and hiding them from public view? Who specially was responsible for these question omissions? Please provide names and what entity(s) they were working for. Is this not a limiting of public involvement?*

Response: Please refer to the response to Comments I.2.g through I.2.i.

- 14u. *Why was that last PIP meeting ended prematurely? Why was the statement that there were no more questions used to justify the abruptly terminated PIP meeting when it was reported that people had submitted questions that went unanswered?*

Response: The last PIP meeting was not ended prematurely. A single question was not responded to that was submitted after it was announced that the Q&A section of the meeting was over. That question could have been submitted as part of the written comments.

- 14v. *Why were community participants not allowed to introduce themselves, their specific concerns and speak their own questions?*

Response: Because a moderator read the questions at the meeting.

- 14w. *Why was there not a neutral moderator for the last PIP meeting? How do you expect the public to trust an attorney for a law firm whose lobbying arm has actively worked for the company who proposed the compressor to conduct the proceedings? Is this a conflict of interest?*

Response: The meeting moderator respectfully read all questions/comments that were submitted and questions/comments that were applicable to the subject MCP documents were addressed.

*Will you hire a neutral moderator for the next meeting that would not be perceived as biased?*

Response: Please refer to the response to Comment I.2.n.



14x. *Will you hold a public, in-person meeting for the upcoming PIP once state covid-19 restriction on indoor public gathering are relaxed/lifted indoors for gatherings?*

Response: Please refer to the response to Comment I.2.n.

14y. *How will you ensure that this upcoming PIP process includes actual public participation that is not limited or managed to narrow opportunity to ask questions with all-important follow-up questions and clarifications?*

Response: Please refer to the response to Comment I.2.n.

14z. *For James Doherty: Please answer this question as you said you would at the the previous PIP meeting. Why did you characterize the opposition group FRRACS (mispronounced by you) as having “a tendency to try to go after contractors”. What do you mean by “go after”? Please elaborate with specifics because the term “go after” implies a victimization. Do you feel that contractors are the victims here? What specific documented actions led you to characterized the opposition group this way? Do you feel you misspoke? Do you wish apologize to the Fore River Residents Against the Compressor Station, a hard working group of unpaid community volunteers, many of whom may see their opposition as protecting their fellow residents from the health and safety risks presented by this piece of industrial infrastructure forced on their community?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

14aa. *For James Doherty: Please answer this question that went unanswered at the PIP meeting. How do you morally justify participating in a process that placed a toxic, polluting, potentially explosive piece of industrial infrastructure in the middle of residential neighborhoods?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

14ab. *In January 2020, a press release from the Weymouth Public Schools identified TRC as having done the reported arsenic testing on the grounds of the Maria Weston Chapman Middle School. What other business has TRC Companies conducted with the Town of Weymouth?*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.

14ac. *Please identify any and all contracts TRC Companies, it's contractors and subsidiaries have had with the Town of Weymouth for the years 2015 through 2020.*

Response: This question does not relate to the RAM Completion Report or either of the two IRA Completion Reports so no response is provided.