



## **DRAFT IMMEDIATE RESPONSE ACTION COMPLETION REPORT**

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

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*Prepared for:*



**Algonquin Gas Transmission, LLC  
890 Winter Street, Suite 300  
Waltham, Massachusetts 02451**

*Prepared by:*



**TRC Environmental Corporation  
Wannalancit Mills  
650 Suffolk Street  
Lowell, Massachusetts 01854**

**February 2021**

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## 1.0 INTRODUCTION

TRC Environmental Corporation (TRC) is submitting this Draft Immediate Response Action (IRA) Completion Report (Draft 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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North Weymouth, MA 02191  
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This Draft 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 Draft 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]

In accordance with the conditions of the Public Involvement (PIP) Plan dated January 30, 2018 for the Site, notification of the availability of this Draft IRA Completion Report will be made in accordance with the PIP Plan. **Appendix D** provides copies of notices sent to the Mayor, Board of Health and PIP mailing list.

The following activities have been completed as part of the PIP process:

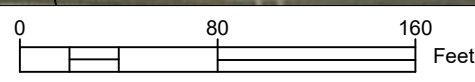
- Copies of this Draft IRA Completion Report have been submitted to the two existing document repositories: the Weymouth Health Department and the Tufts Public Library;
- Legal Notice of the availability of this Draft IRA Completion Report will be published in the Weymouth News, the Quincy Patriot Ledger and the Boston Globe;
- This Draft IRA Completion Report will be uploaded to the MassDEP database (eDEP) where it can be viewed and downloaded on-line;
- The Legal Notice will identify that a Public Meeting will be held on-line in mid-March 2021 to present this report and to receive public comments; and
- The Legal Notice will also announce a 20-day public review period which will end 20 days after the Public Meeting.

A hard copy of this Draft IRA Completion Report 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). Written comments or questions about this Draft IRA Completion Report may be delivered 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) no later than the end of the public review period.

Additional information on the Public Meeting can be found at:

<https://www.trccompanies.com/insights/weymouth-pip>

# FIGURES

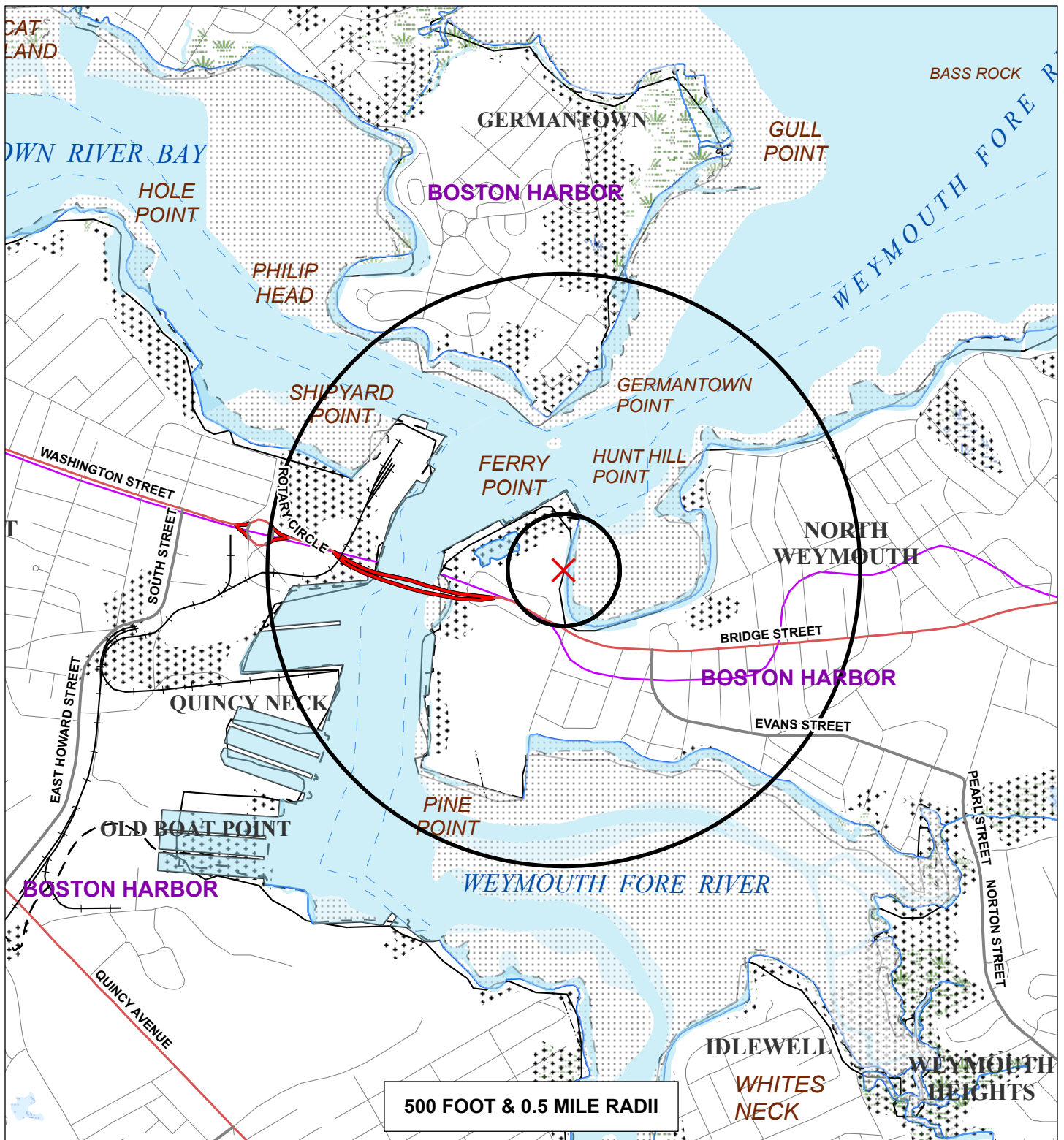


**General Notes**

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)

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

FIGURE 2

MASSDEP PRIORITY RESOURCES MAP  
82 BRIDGE STREET  
WEYMOUTH, MA

N 	0  1,250 Feet	JAN. 2021
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# 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>	U	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>	U	<b>11.5</b>	U	NA	NA	NA	NA	<b>18.0</b>	U	<b>10.4</b>	U	<b>8.92</b>	U	7.33	U	<b>24.2</b>	U	<b>14.1</b>	U	<b>18.2</b>	U	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>	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		
	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>	U	0.376	U	0.378	U	0.366	U	<b>0.569</b>	U	<b>0.376</b>	U	<b>0.484</b>	U	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>	U	0.376	U	0.378	U	0.366	U	<b>0.409</b>	U	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>	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		
	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>	U	<b>11.8</b>	U	<b>61.4</b>	U	<b>5.83</b>	U	<b>14.8</b>	U	<b>21.5</b>	U	<b>6.87</b>	U	<b>17.4</b>	U	<b>3.55</b>	U	<b>13.3</b>	U	<b>1.89</b>	U	<b>12.8</b>	U	<b>14.1</b>	U	<b>12.9</b>	U	<b>13.0</b>	U
	Barium	mg/kg	1,000	1,000	<b>7.77</b>	U	<b>25.4</b>	U	<b>73.0</b>	U	NA	NA	NA	NA	<b>59.4</b>	U	<b>13.2</b>	U	<b>24.9</b>	U	<b>7.92</b>	U	<b>10.2</b>	U	<b>17.0</b>	U	<b>12.4</b>	U	<b>11.0</b>	U	<b>10.9</b>	U		
	Beryllium	mg/kg	90	90	0.211	U	0.213	U	<b>1.50</b>	U	NA	NA	NA	NA	<b>0.563</b>	U	0.219	U	<b>0.244</b>	U	0.216	U	0.216	U	<b>0.417</b>	U	<b>0.470</b>	U	<b>0.519</b>	U	<b>0.397</b>	U		
	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>	U	0.484	U		
	Chromium	mg/kg	100	100	<b>5.18</b>	U	<b>8.16</b>	U	<b>11.4</b>	U	NA	NA	NA	NA	<b>8.09</b>	U	<b>5.82</b>	U	<b>7.49</b>	U	<b>6.13</b>	U	<b>9.50</b>	U	<b>11.0</b>	U	<b>16.9</b>	U	<b>12.6</b>	U	<b>15.6</b>	U		
	Lead	mg/kg	200	200	<b>7.82</b>	U	<b>17.2</b>	U	<b>22.5</b>	U	NA	NA	NA	NA	<b>26.2</b>	U	<b>9.48</b>	U	<b>15.4</b>	U	<b>7.92</b>	U	<b>161</b>	U	<b>30.0</b>	U	<b>26.9</b>	U	<b>36.1</b>	U	<b>42.0</b>	U		
	Mercury	mg/kg	20	20	0.077	U	0.078	U	<b>0.091</b>	U	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>	U	<b>7.16</b>	U	<b>13.7</b>	U	NA	NA	NA	NA	<b>7.79</b>	U	<b>5.10</b>	U	<b>8.10</b>	U	<b>4.08</b>	U	<b>15.2</b>	U	<b>26.0</b>	U	<b>14.6</b>	U	<b>24.7</b>	U	<b>33.1</b>	U		
	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>	U	<b>19.7</b>	U	<b>48.0</b>	U	NA	NA	NA	NA	<b>20.3</b>	U	<b>14.7</b>	U	<b>36.6</b>	U	<b>13.2</b>	U	<b>51.8</b>	U	<b>149</b>	U	<b>24.3</b>	U	<b>59.0</b>	U	<b>134</b>	U		
	Zinc	mg/kg	1,000	1,000	<b>10.0</b>	U	<b>26.6</b>	U	<b>22.4</b>	U	NA	NA	NA	NA	<b>31.6</b>	U	<b>25.1</b>	U	<b>11.0</b>	U	<b>55.1</b>	U	<b>48.0</b>	U	<b>33.6</b>	U	<b>56.0</b>	U	<b>56.4</b>	U	<b>27.5</b>	U		

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.



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

Sample Location:					SS-108R	SS-109	SS-110	SS-111	SS-112	SS-113	SS-114	SS-115	SS-116	SS-117	SS-118	SS-119	SS-120	SS-121	SS-122		SS-123	
Sample Name:					SS-108(0-1)	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)	DUP-10	SS-123 (0-1)	
Lab Sample ID:					L2103973-03	L2102825-14	L2102825-15	L2102825-17	L2102136-26	L2102825-21	L2102825-23	L2102136-22	L2102825-26	L2102825-28	L2102136-20	L2102136-19	L2102136-29	L2102136-32	L2102136-36	L2102136-38	L2102825-39	
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	0-1 ft	0-1 ft
Sample Date:					01/25/2021	01/15/2021	01/18/2021	01/18/2021	01/14/2021	01/18/2021	01/18/2021	01/14/2021	01/18/2021	01/19/2021	01/13/2021	01/13/2021	01/14/2021	01/14/2021	01/14/2021	01/14/2021	01/14/2021	01/18/2021
Analysis	Analyte	Unit	S-1/GW-2	S-1/GW-3	Field Dup																	
<b>EPH</b>																						
	C9-C18 Aliphatics	mg/kg	1,000	1,000	7.03 U	7.38 U	7.34 U	7.79 U	7.26 U	7.60 U	7.81 U	8.04 U	7.50 U	<b>18.6</b>	7.35 U	6.82 U	7.77 U	8.18 U	7.55 U	7.61 U	7.69 U	
	C19-C36 Aliphatics	mg/kg	3,000	3,000	7.03 U	7.38 U	7.34 U	<b>7.90</b>	7.26 U	<b>8.52</b>	7.81 U	<b>11.3</b>	7.50 U	<b>20.4</b>	7.35 U	6.82 U	<b>8.22</b>	<b>12.4</b>	7.55 U	7.61 U	7.69 U	
	C11-C22 Aromatics	mg/kg	1,000	1,000	7.03 U	<b>11.2</b>	<b>8.68</b>	<b>11.6</b>	<b>10.3</b>	<b>12.4</b>	<b>8.48</b>	<b>25.5</b>	7.50 U	<b>46.7</b>	7.35 U	6.82 U	<b>14.8</b>	<b>17.7</b>	<b>13.8</b>	<b>12.4</b>	<b>16.2</b>	
<b>PAHs</b>																						
	Naphthalene	mg/kg	20	500	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	0.402 U	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	0.384 U	
	2-Methylnaphthalene	mg/kg	80	300	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	0.402 U	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	0.384 U	
	Acenaphthylene	mg/kg	600	10	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	0.402 U	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	0.384 U	
	Acenaphthene	mg/kg	1,000	1,000	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	0.402 U	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	0.384 U	
	Fluorene	mg/kg	1,000	1,000	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	0.402 U	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	0.384 U	
	Phenanthrene	mg/kg	500	500	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	<b>0.421</b>	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	0.384 U	
	Anthracene	mg/kg	1,000	1,000	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	0.402 U	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	0.384 U	
	Fluoranthene	mg/kg	1,000	1,000	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	<b>0.716</b>	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	<b>0.422</b>	0.381 U	0.384 U	
	Pyrene	mg/kg	1,000	1,000	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	<b>0.753</b>	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	<b>0.411</b>	0.381 U	0.384 U	
	Benzo(a)anthracene	mg/kg	7	7	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	<b>0.427</b>	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	0.384 U	
	Chrysene	mg/kg	70	70	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	<b>0.512</b>	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	0.384 U	
	Benzo(b)fluoranthene	mg/kg	7	7	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	<b>0.493</b>	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	<b>0.471</b>	
	Benzo(k)fluoranthene	mg/kg	70	70	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	0.402 U	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	0.384 U	
	Benzo(a)pyrene	mg/kg	2	2	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	<b>0.383</b>	0.390 U	0.402 U	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	<b>0.429</b>	
	Indeno(1,2,3-cd)Pyrene	mg/kg	7	7	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	0.402 U	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	0.384 U	
	Dibenzo(a,h)anthracene	mg/kg	0.7	0.7	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	0.402 U	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	0.384 U	
	Benzo(ghi)perylene	mg/kg	1,000	1,000	0.352 U	0.369 U	0.367 U	0.389 U	0.363 U	0.380 U	0.390 U	0.402 U	0.375 U	0.415 U	0.367 U	0.341 U	0.388 U	0.409 U	0.377 U	0.381 U	0.384 U	
<b>Metals, total</b>																						
	Antimony	mg/kg	20	20	2.08 U	2.27 U	2.17 U	2.30 U	2.29 U	2.29 U	2.30 U	2.37 U	2.16 U	2.50 U	2.15 U	2.06 U	2.34 U	2.38 U	2.25 U	2.26 U	2.30 U	
	Arsenic	mg/kg	20	20	<b>1.71</b>	<b>7.31</b>	<b>8.55</b>	<b>18.2</b>	<b>25.8</b>	<b>15.6</b>	<b>20.8</b>	<b>11.7</b>	<b>11.3</b>	<b>27.0</b>	<b>4.79</b>	<b>3.01</b>	<b>4.46</b>	<b>25.0</b>	<b>15.4</b>	<b>19.7</b>	<b>20.6</b>	
	Barium	mg/kg	1,000	1,000	<b>19.3</b>	<b>19.9</b>	<b>55.5</b>	<b>41.5</b>	<b>41.3</b>	<b>30.1</b>	<b>24.3</b>	<b>37.2</b>	<b>27.2</b>	<b>14.7</b>	<b>13.6</b>	<b>15.3</b>	<b>20.9</b>	<b>52.8</b>	<b>32.5</b>	<b>36.5</b>	<b>42.5</b>	
	Beryllium	mg/kg	90	90	0.208 U	0.227 U	<b>0.235</b>	<b>0.479</b>	<b>0.702</b>	<b>0.421</b>	<b>0.728</b>	<b>0.440</b>	<b>0.466</b>	<b>0.626</b>	0.215 U	0.206 U	0.234 U	<b>0.832</b>	<b>0.508</b>	<b>0.673</b>	<b>0.661</b>	
	Cadmium	mg/kg	70	70	0.417 U	0.455 U	0.435 U	0.460 U	0.459 U	0.457 U	0.461 U	0.473 U	0.431 U	<b>0.981</b>	0.431 U	<b>0.452</b>	0.468 U	0.475 U	0.449 U	0.451 U	0.459 U	
	Chromium	mg/kg	100	100	<b>9.01</b>	<b>8.67</b>	<b>7.04</b>	<b>7.44</b>	<b>12.0</b>	<b>8.15</b>	<b>23.5</b>	<b>10.5</b>	<b>7.98</b>	<b>11.0</b>	<b>6.46</b>	<b>27.0</b>	<b>10.1</b>	<b>14.4</b>	<b>8.18</b>	<b>10.5</b>	<b>10.5</b>	
	Lead	mg/kg	200	200	<b>21.1</b>	<b>13.3</b>	<b>8.00</b>	<b>10.4</b>	<b>10.9</b>	<b>15.5</b>	<b>48.8</b>	<b>58.0</b>	<b>13.1</b>	<b>27.8</b>	<b>11.4</b>	<b>11.0</b>	<b>19.6</b>	<b>21.3</b>	<b>16.6</b>	<b>17.8</b>	<b>15.1</b>	
	Mercury	mg/kg	20	20	0.077 U	0.081 U	0.084 U	0.083 U	0.082 U	0.088 U	0.091 U	<b>0.089</b>	0.085 U	0.093 U	0.076 U	0.074 U	0.090 U	0.099 U	0.076 U	0.086 U	0.084 U	
	Nickel	mg/kg	600	600	<b>6.61</b>	<b>7.77</b>	<b>5.27</b>	<b>7.25</b>	<b>9.42</b>	<b>7.24</b>	<b>372</b>	<b>9.93</b>	<b>8.38</b>	<b>24.6</b>	<b>4.73</b>	<b>16.2</b>	<b>7.62</b>	<b>17.3</b>	<b>7.02</b>	<b>9.83</b>	<b>15.0</b>	
	Selenium	mg/kg	400	400	2.08 U	2.27 U	2.17 U	2.30 U	2.29 U	2.29 U	2.30 U	2.37 U	2.16 U	2.50 U	2.15 U	2.06 U	2.34 U	2.38 U	2.25 U	2.26 U	2.30 U	
	Silver	mg/kg	100	100	0.417 U	0.455 U	0.435 U	0.460 U	0.459 U	0.457 U	0.461 U	0.473 U	0.431 U	0.501 U	0.431 U	0.411 U	0.468 U	0.475 U	0.449 U	0.451 U	0.459 U	
	Thallium	mg/kg	8	8	2.08 U	2.27 U	2.17 U	2.30 U	2.29 U	2.29 U	2.30 U	2.37 U	2.16 U	2.50 U	2.15 U	2.06 U	2.34 U	2.38 U	2.25 U	2.26 U	2.30 U	
	Vanadium	mg/kg	400	400	<b>15.1</b>	<b>24.3</b>	<b>24.4</b>	<b>23.2</b>	<b>31.6</b>	<b>23.1</b>	<b>1,450</b>	<b>25.1</b>	<b>23.9</b>	<b>45.6</b>	<b>17.6</b>	<b>15.2</b>	<b>17.9</b>	<b>74.0</b>	<b>33.0</b>	<b>39.6</b>	<b>67.3</b>	
	Zinc	mg/kg	1,000	1,000	<b>22.6</b>	<b>16.1</b>	<b>16.0</b>	<b>20.1</b>	<b>23.7</b>	<b>77.9</b>	<b>55.4</b>	<b>21.7</b>	<b>204</b>	<b>18.5</b>	<b>30.3</b>	<b>32.8</b>	<b>47.3</b>	<b>21.2</b>	<b>25.9</b>	<b>32.9</b>	<b>32.2</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.

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

Sample Location:					SS-124	SS-125	SS-126	TP-01	TP-02	UU-1	UU-02	UU-3	UU-04	UU-5	UU-05	UU-6	UU-07	UU-08	UU-09A	UU-09B																		
Sample Name:					SS-124(0-0.5)	SS-125(0-0.5)	SS-126(0-0.5)	TP-1 (0-3)	TP-2 (0-3)	UU-1 (0-3)	UU-2 (0-3)	SS-145 (0-1)	UU-3 (0-3)	UU-4 (0-3)	SS-154 (0-1)	UU-5 (0-3)	SS-136 (0-1)	DUP 12	UU-6 (0-3)	UU-7 (0-3)	UU-8 (0-3)	UU-9A (0-3)	UU-9B (0-3)															
Lab Sample ID:					L2103973-09	L2103973-10	L2103973-11	L2054656-01	L2054656-03	L2102825-40	L2102136-28	L2105130-06	L2102825-41	L2102136-34	L2105130-07	L2102136-24	L2105130-05	L2105130-08	L2102825-43	L2102136-31	L2102136-17	L2102136-14	L2102136-15															
Sample Depth:					0-0.5 ft	0-0.5 ft	0-0.5 ft	0-3 ft	0-3 ft	0-3 ft	0-3 ft	0-1 ft	0-3 ft	0-3 ft	0-1 ft	0-3 ft	0-1 ft	0-1 ft	0-3 ft	0-3 ft	0-3 ft	0-3 ft	0-3 ft	0-3 ft														
Sample Date:					01/25/2021	01/25/2021	01/25/2021	12/07/2020	12/07/2020	01/15/2021	01/14/2021	02/03/2021	01/15/2021	01/14/2021	02/03/2021	01/14/2021	02/03/2021	02/03/2021	01/15/2021	01/14/2021	01/13/2021	01/13/2021	01/13/2021	01/13/2021														
Analysis	Analyte	Unit	S-1/GW-2	S-1/GW-3	Field Dup																																	
<b>EPH</b>																																						
	C9-C18 Aliphatics	mg/kg	1,000	1,000	<b>13.2</b>	10.2	7.91	U	7.76	U	7.34	U	7.58	U	7.52	U	NA	7.42	U	8.12	U	NA	8.86	U	NA	NA	7.07	U	7.35	U	7.31	U	7.16	U	7.45	U		
	C19-C36 Aliphatics	mg/kg	3,000	3,000	7.97	U	<b>18.2</b>	7.91	U	7.76	U	7.34	U	7.58	U	7.52	U	NA	7.42	U	<b>13.7</b>	NA	8.86	U	NA	NA	7.07	U	7.35	U	7.31	U	7.16	U	<b>8.06</b>			
	C11-C22 Aromatics	mg/kg	1,000	1,000	<b>39.2</b>	<b>91.7</b>	<b>25.1</b>		<b>18.3</b>	<b>14.9</b>	<b>13.0</b>		<b>12.7</b>		NA	<b>22.1</b>	<b>11.0</b>		NA	<b>14.7</b>		NA		NA		<b>9.32</b>		<b>9.35</b>		<b>11.0</b>		7.16	U	<b>12.3</b>				
<b>PAHs</b>																																						
	Naphthalene	mg/kg	20	500	0.399	U	0.509	U	0.395	U	0.388	U	0.367	U	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	0.365	U	0.358	U	0.372	U
	2-Methylnaphthalene	mg/kg	80	300	0.399	U	0.509	U	0.395	U	0.388	U	0.367	U	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	0.365	U	0.358	U	0.372	U
	Acenaphthylene	mg/kg	600	10	0.399	U	<b>0.598</b>	0.395	U	0.388	U	0.367	U	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	0.365	U	0.358	U	0.372	U	
	Acenaphthene	mg/kg	1,000	1,000	0.399	U	0.509	U	0.395	U	0.388	U	0.367	U	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	0.365	U	0.358	U	0.372	U
	Fluorene	mg/kg	1,000	1,000	0.399	U	0.509	U	0.395	U	0.388	U	0.367	U	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	0.365	U	0.358	U	0.372	U
	Phenanthrene	mg/kg	500	500	<b>0.414</b>	<b>3.49</b>	<b>0.413</b>	<b>0.405</b>	<b>0.396</b>	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	<b>0.662</b>	0.358	U	<b>0.615</b>		
	Anthracene	mg/kg	1,000	1,000	0.399	U	0.509	U	0.395	U	0.388	U	0.367	U	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	0.365	U	0.358	U	0.372	U
	Fluoranthene	mg/kg	1,000	1,000	0.399	U	<b>6.14</b>	<b>0.596</b>	<b>0.809</b>	<b>0.456</b>	0.379	U	0.376	U	NA	<b>0.425</b>	0.406	U	NA	0.443	U	NA	NA	0.443	U	NA	NA	0.353	U	0.368	U	<b>0.684</b>	0.358	U	<b>0.565</b>			
	Pyrene	mg/kg	1,000	1,000	0.399	U	<b>6.20</b>	<b>0.688</b>	<b>0.857</b>	<b>0.503</b>	0.379	U	0.376	U	NA	<b>0.455</b>	0.406	U	NA	0.443	U	NA	NA	0.443	U	NA	NA	0.353	U	0.368	U	<b>0.599</b>	0.358	U	<b>0.501</b>			
	Benzo(a)anthracene	mg/kg	7	7	0.399	U	<b>2.57</b>	0.395	U	<b>0.569</b>	0.367	U	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	0.365	U	0.358	U	0.372	U		
	Chrysene	mg/kg	70	70	0.399	U	<b>2.91</b>	<b>0.547</b>	<b>0.617</b>	<b>0.377</b>	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	0.365	U	0.358	U	0.372	U	
	Benzo(b)fluoranthene	mg/kg	7	7	0.399	U	0.509	U	0.395	U	0.388	U	0.367	U	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	0.365	U	0.358	U	0.372	U
	Benzo(k)fluoranthene	mg/kg	70	70	0.399	U	0.509	U	0.395	U	0.388	U	0.367	U	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	0.365	U	0.358	U	0.372	U
	Benzo(a)pyrene	mg/kg	2	2	0.399	U	<b>2.82</b>	<b>0.451</b>	<b>0.492</b>	0.367	U	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	0.365	U	0.358	U	0.372	U
	Indeno(1,2,3-cd)Pyrene	mg/kg	7	7	0.399	U	<b>2.11</b>	0.395	U	0.388	U	0.367	U	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	0.365	U	0.358	U	0.372	U	
	Dibenzo(a,h)anthracene	mg/kg	0.7	0.7	0.399	U	0.509	U	0.395	U	0.388	U	0.367	U	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	0.365	U	0.358	U	0.372	U
	Benzo(ghi)perylene	mg/kg	1,000	1,000	0.399	U	<b>2.18</b>	0.395	U	0.388	U	0.367	U	0.379	U	0.376	U	NA	0.371	U	0.406	U	NA	0.443	U	NA	NA	0.353	U	0.368	U	0.365	U	0.358	U	0.372	U	
<b>Metals, total</b>																																						
	Antimony	mg/kg	20	20	2.37	U	3.03	U	2.31	U	2.33	U	2.22	U	2.22	U	2.31	U	NA	2.14	U	<b>2.78</b>	NA	2.70	U	NA	NA	2.16	U	2.18	U	2.17	U	2.22	U	2.15	U	
	Arsenic	mg/kg	20	20	<b>31.6</b>	<b>14.4</b>	<b>9.88</b>	<b>18.4</b>	<b>14.2</b>	<b>7.86</b>	<b>47.8</b>	<b>19.3</b>	<b>24.4</b>	<b>91.0</b>	<b>9.45</b>	<b>40.0</b>	<b>2.56</b>	<b>3.04</b>	<b>2.95</b>	<b>25.9</b>	<b>12.7</b>	<b>16.8</b>	<b>19.0</b>															
	Barium	mg/kg	1,000	1,000	<b>24.6</b>	<b>64.5</b>	<b>31.5</b>	<b>16.0</b>	<b>13.2</b>	<b>20.3</b>	<b>56.7</b>	NA	<b>39.0</b>	<b>104</b>	NA	<b>65.6</b>	NA	NA	<b>13.3</b>	<b>33.9</b>	<b>27.6</b>	<b>29.5</b>	<b>41.5</b>															
	Beryllium	mg/kg	90	90	<b>0.735</b>	<b>0.945</b>	<b>0.398</b>	<b>0.349</b>	<b>0.462</b>	<b>0.289</b>	<b>1.27</b>	NA	<b>0.802</b>	<b>2.28</b>	NA	<b>1.32</b>	NA	NA	0.216	U	<b>0.743</b>	<b>0.274</b>	<b>0.294</b>	<b>0.439</b>														
	Cadmium	mg/kg	70	70	0.474	U	<b>0.612</b>	<b>0.536</b>	0.465	U	<b>0.444</b>	0.444	U	0.462	U	NA	0.429	U	0.474	U	NA	0.540	U	NA	0.540	U	NA	NA	0.432	U	0.437	U	0.435	U	0.445	U	0.430	U
	Chromium	mg/kg	100	100	<b>10.1</b>	<b>9.43</b>	<b>9.50</b>	<b>7.53</b>	<b>10.1</b>	<b>7.62</b>	<b>11.1</b>	NA	<b>7.82</b>	<b>15.5</b>	NA	<b>10.8</b>	NA	NA	<b>4.95</b>	<b>7.56</b>	<b>7.74</b>	<b>8.57</b>	<b>9.69</b>															
	Lead	mg/kg	200	200	<b>26.3</b>	<b>130</b>	<b>58.4</b>	<b>34.2</b>	<b>57.1</b>	<b>26.4</b>	<b>14.8</b>	NA	<b>22.3</b>	<b>17.6</b>	NA	<b>24.6</b>	NA	NA	<b>9.57</b>	<b>9.78</b>	<b>10.9</b>	<b>10.8</b>	<b>13.0</b>															
	Mercury	mg/kg	20	20	0.090	U	0.113	U	0.086	U	<b>0.104</b>	0.084	U	0.077	U	0.092	U	NA	0.082	U	<b>0.120</b>	NA	0.099	U	NA	NA	0.071	U	0.089	U	0.071	U	0.074	U	0.074	U		
	Nickel	mg/kg	600	600	<b>21.6</b>	<b>41.3</b>	<b>22.9</b>	<b>16.3</b>	<b>32.6</b>	<b>9.94</b>	<b>11.1</b>	NA	<b>11.2</b>	<b>24.4</b>	NA	<b>13.8</b>	NA	NA	<b>4.52</b>	<b>7.96</b>	<b>7.48</b>	<b>8.18</b>	<b>9.21</b>															
	Selenium	mg/kg	400	400	2.37	U	3.03	U	2.31	U	2.33	U	2.22	U	2.22	U	2.31	U	NA	2.14	U																	

**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

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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 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

**Lab Number:** L2102136

**Project Number:** 414883

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

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 (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
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**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

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:

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
<b>Extractable Petroleum Hydrocarbons - Westborough Lab</b>						
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  
 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:

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	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
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

**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): 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

**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): 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

**Lab Number:** L2102136

**Project Number:** 414883

**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

**Lab Number:** L2102136

**Project Number:** 414883

**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	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**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

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  
**Project Number:** 414883

**Lab Number:** L2102136  
**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

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  
**Project Number:** 414883

**Lab Number:** L2102136  
**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

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
General Chemistry - Westborough Lab										
Solids, Total	90.5		%	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:** L2102136-05  
**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

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  
**Project Number:** 414883

**Lab Number:** L2102136  
**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

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  
**Project Number:** 414883

**Lab Number:** L2102136  
**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

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**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

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
<b>General Chemistry - Westborough Lab</b>										
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**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

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  
**Project Number:** 414883

**Lab Number:** L2102136  
**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

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**

<b>Cooler</b>	<b>Custody Seal</b>
A	Absent
B	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>
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



**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>
L2102136-10B	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)

**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>
L2102136-13B2	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



**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>
L2102136-18B	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)

\*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>
L2102136-23B	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)

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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>
L2102136-28B	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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## 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:** L2102136  
**Report Date:** 01/25/21

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

## 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 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: [jdoherty@trccompanies.com](mailto: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

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

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 MA</i> <i>Catherina</i>	Date/Time 1-14-21 1700 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  
TEL: 508-898-9220  
FAX: 508-898-9193

Mansfield, MA  
TEL: 508-822-9300  
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														
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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	ANALYSIS														Sample Specific Comments	TOTAL # BOTTLES
		Date	Time			MCP 14 Metals	EPH Targets & Fracs														
02136 -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"/>	MS/MSD	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	
<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

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"/>	2
-22	SS-115 (0-1')		0850	Soil	J	<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
-23	SS-115 (1-3')		0855	Soil	J	<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
-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"/>	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"/>	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"/>	2
-27	SS-112 (1-3')		1000	Soil	J	<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	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"/>	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"/>	
-30	SS-120 (1-3')		1040	Soil	J	<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"/>	

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	J
-23	SS-115 (1-3')		0855	Soil	J
-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	J
-28	UU-2 (0-3')		1030	Soil	JPS
-29	SS-120 (0-1')		1035	Soil	GD
-30	SS-120 (1-3')		1040	Soil	J

Container Type	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Tom Allen</i>	1/14/21 1510	<i>Tom Allen</i>	1/14/21 1510
<i>Tom Allen</i>	1/14/21 1700	<i>Callan</i>	1/14/21 1700

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# 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

## Project Information

Project Name: Enbridge King Cove Park  
Project Location: Bridge St Hwy route  
Project #: 414883  
Project Manager: Jim Doherty  
ALPHA Quote #:

## 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: jddoherty@trc.companies.com

## 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

## Additional Project Information:

ANALYSIS		SAMPLE INFO	
VOC: <input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2	SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH	Filtration	<input type="checkbox"/> Field <input type="checkbox"/> Lab to do
METALS: <input type="checkbox"/> MCP 13 <input checked="" type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	METALS: <input type="checkbox"/> RCRAS <input type="checkbox"/> RCRA8 <input type="checkbox"/> PPT13	Preservation	<input type="checkbox"/> Lab to do
EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only		
<input type="checkbox"/> PCB <input type="checkbox"/> PEST	TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint		
Sample Comments		TOTAL # BOTTLES	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials
		Date	Time		
0236 -31	UU-7 (0-3')	1/14/21	1115	Soil	JPS
-32	SS-121 (0-1')		1335		GP
-33	SS-121 (1-2')		1340		GP
-34	UU-4 (0-3')		1435		JPS
-35	UU-4 (3-7')		1445		JPS
-36	SS-122 (0-1')		1445		GP
-37	SS-122 (1-3')		1450		GP
-38	DUP-10		1345		GP

<b>Container Type</b> P= Plastic A= Amber glass V= Vial G= Glass B= Bacteria cup C= Cube O= Other E= Encore D= BOD Bottle	<b>Preservative</b> 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:	Date/Time	Received By:	Date/Time
<u>Jamie Stapleton</u> <u>TRC MA</u>	<u>1/14/21 1510</u> <u>1-14-21 1700</u>	<u>[Signature]</u>	<u>1-14-21 1510</u> <u>1-14-21 1700</u>

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

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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).

---

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

Lab Number: L2102825

Project Number: 414883

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.

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**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		RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	RPD	Qual	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								
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

**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): 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		RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	RPD	Qual	Limits
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  
**Project Number:** 414883

**Lab Number:** L2102825  
**Report Date:** 01/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 11,15,17,21,29,39-43 Batch: WG1458075-2 WG1458075-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance 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 % Recovery</b>	<b>Qualifier</b>	<b>MSD % Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</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

**Lab Number:** L2102825

**Project Number:** 414883

**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	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	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**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

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  
**Project Number:** 414883

**Lab Number:** L2102825  
**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

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  
**Project Number:** 414883

**Lab Number:** L2102825  
**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

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  
**Project Number:** 414883

**Lab Number:** L2102825  
**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

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  
**Project Number:** 414883

**Lab Number:** L2102825  
**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

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**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

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  
**Project Number:** 414883

**Lab Number:** L2102825  
**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

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  
**Project Number:** 414883

**Lab Number:** L2102825  
**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

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**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

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  
**Project Number:** 414883

**Lab Number:** L2102825  
**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

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)

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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>
L2102825-05B	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



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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>
L2102825-10B	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



**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>
L2102825-41B	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)

\*Values in parentheses indicate holding time in days



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

**Lab Number:** L2102825  
**Report Date:** 01/28/21

## 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



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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

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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.

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



## 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  
TEL: 508-898-9220  
FAX: 508-898-9193

Mansfield, MA  
TEL: 508-822-9300  
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 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

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	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		

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														
<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"/>	<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"/>
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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															Sample Specific Comments	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"/>			
-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"/>	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"/>			
-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"/>			
-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"/>			
-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"/>			
-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"/>			

Container Type	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By: <i>Janie Stapleton</i>	Date/Time: 1/19/21 12:52	Received By: <i>AKH AA</i>	Date/Time: 1/19/21 13:02
<i>AKH AA</i>	1/19/21 10:50	<i>Kew Jan</i>	1/19/21 16:00

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# 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

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 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"/>	<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 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 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 type="checkbox"/>	<input type="checkbox"/>

**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		
02825-17	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>Jimie Stalder</i>	Date/Time 1/19/21 1252	Received By: <i>Kenn Gas</i>	Date/Time 1/19/21 1650
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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.





# 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](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 #: 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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<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 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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<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 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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<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"/>	

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																	
62825 - 35	SS-121 (0-1')	01/14/21	1335	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
-36	SS-121 (1-2')	01/14/21	1340	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
-37	SS-122 (0-1')	01/14/21	1445	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
-38	SS-122 (1-3')	01/14/21	1450	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
-39	SS-123 (0-1')	01/18/21	1435	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
-40	UU-1 (0-3')	1/15/21	0925	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
-41	UU-3 (0-3')	1/15/21	1305	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
-42	UU-3 (3-7')	1/15/21	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"/>	2
-43	UU-6 (0-3')	1/15/21	0845	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 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

Container Type - - - - -  
 Preservative - - - - -

Relinquished By: *Jimmie Stapleton* Date/Time: 1/19/21 1252  
*Sublet AAC* Date/Time: 1/19/21 1650  
 Received By: *Mike AAC* Date/Time: 1/19/21 1252  
*Kaw Jew* Date/Time: 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.



## 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.

---



**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 %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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

**Lab Number:** L2103973

**Project Number:** 414883

**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**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

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





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**Project Number:** 414883

**Lab Number:** L2103973  
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**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**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

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



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**Project Number:** 414883

**Lab Number:** L2103973  
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**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



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**Lab Number:** L2103973  
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**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



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**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





**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Serial\_No:** 02042116:25  
**Lab Number:** L2103973  
**Report Date:** 02/04/21

**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>
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



Project Name: ENBRIDGE WEYMOUTH COMPRESSOR

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Lab Number: L2103973

Report Date: 02/04/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
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-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)
L2103973-14B	Glass 120ml/4oz unpreserved	A	NA		2.7	Y	Absent		EPH-DELUX-20(14),TS(7)

\*Values in parentheses indicate holding time in days



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
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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



**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
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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 WEYMOUTH COMPRESSOR  
**Project Number:** 414883

**Lab Number:** L2103973  
**Report Date:** 02/04/21

**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:** L2103973  
**Report Date:** 02/04/21

## 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

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.



# 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.





# 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:  
 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:  
 Send questions to jstapleton@trccompanies.com

Date Rec'd in Lab: 1/26/21

ALPHA Job #: <sup>(21)</sup> 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

MCP 14 Metals	EPH Targets & Fracs															SAMPLE HANDLING	TOTAL # BOTTLES
<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"/> Filtration <input type="checkbox"/> Done <input type="checkbox"/> Not Needed <input type="checkbox"/> Lab to do <input type="checkbox"/> Preservation <input type="checkbox"/> Lab to do <i>(Please specify below)</i>	3
<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"/>	2
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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

Container Type	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Jamie Stapleton</i>	1/26/21 1330	<i>Phu ANL</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).

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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:** 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.

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**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.

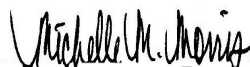
#### Total Metals

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  
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**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

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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 WEYMOUTH COMPRESSOR  
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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.

**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

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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.





## 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:

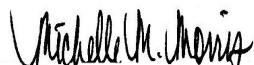
The WG1461694-4/-5 MS/MSD recoveries, performed on L2105133-04, are outside the acceptance criteria for antimony (48%/50%), barium (54%/58%), beryllium (56%/59%), cadmium (62%/64%), chromium (54%/56%), lead (52%/54%), nickel (49%/51%), selenium (50%/51%), silver (52%/53%), thallium (43%/43%), vanadium (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 % Recovery</b>	<b>Qualifier</b>	<b>MSD % Recovery</b>	<b>Qualifier</b>	<b>Acceptance Criteria</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**Lab Number:** L2105133**Project Number:** 414883**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)

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR

**Project Number:** 414883

Serial\_No:02112112:46

**Lab Number:** L2105133

**Report Date:** 02/11/21

**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>
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)

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
**Project Number:** 414883

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**Report Date:** 02/11/21

## 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  
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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 WEYMOUTH COMPRESSOR  
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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.

**Project Name:** ENBRIDGE WEYMOUTH COMPRESSOR  
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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

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.



**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**



**DRAFT  
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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### ATTACHMENT

Attachment 1	Risk Calculation Spreadsheet and Shortform
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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.

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### **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).

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## 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).

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## 6.0 REFERENCES

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- Massachusetts Department of Environmental Protection (MassDEP), 2014. Massachusetts Contingency Plan. 310 CMR. Effective April 25, 2014.
- 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

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**Table 1. Soil Exposure Point Concentrations -- Location B-603  
82 Bridge Street  
Weymouth, Massachusetts**

Analysis		Analyte	Unit	S-1/GW-2	S-1/GW-3	Background	EPC	EPC Rationale	
		Sample Location: <b>B-603</b> Sample Name: B-603 (0-1) Lab Sample ID: L2102136-06 Sample Depth: 0-1 ft Sample Date: 01/12/2021							
<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**

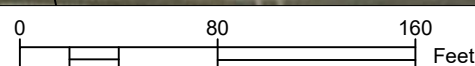
DRAFT



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**

DRAFT

**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>inh</sub></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</sub></sub> = (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</sub></sub> x Cancer Slope Factor  
 Hazard Quotient = ADE<sub>non-cancer</sub> / Reference Dose

	Cancer Risk	Hazard Index
<b>TOTAL:</b>	1.47E-07	3.7E-02

**Bold** = Cancer Risk > 1.0E-05 or Hazard Quotient > 1.0E+00

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 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>
AROMATIC 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

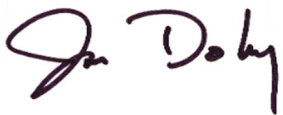
To Whom It May Concern:

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

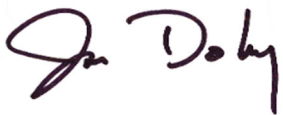
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The Draft IRA Completion Report can be reviewed via the MassDEP database at <https://eeaonline.eea.state.ma.us/EEA/fileviewer/Rtn.aspx?rtn=4-0028676>.

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 "James Doherty". The signature is written in a cursive, slightly slanted style.

James Doherty, PE, LSP  
Senior Hydrogeologist