

Appendix 11:  
Environmental Subsurface  
Investigation and Soil Sampling Report



Joint Permit Application Package  
Albany Port District Commission

**Port of Albany  
Expansion Project**



# ATLANTIC TESTING LABORATORIES

*WBE certified company*

**Albany**  
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October 22, 2020

McFarland-Johnson, Inc.  
60 Railroad Place, Suite 402  
Saratoga Springs, New York 12866

Attn: David Rosen

Re: Environmental Subsurface Investigation and Soil Sampling  
Port of Albany Expansion Project  
Beacon Island Parcel  
Bethlehem, Albany County, New York  
MJ Project No. 18641.02  
ATL Report No. AT5596CE-04-10-20

Ladies/Gentlemen:

Enclosed is a copy of the Environmental Subsurface Investigation and Soil Sampling report prepared for the referenced site. This project was completed in accordance with the scope of work outlined in our contract (AT5998-245-03-20), dated March 26, 2020.

Please contact our office should you have any questions, or if we may be of further assistance.

Sincerely,  
*ATLANTIC TESTING LABORATORIES, Limited*

Cheyenne J. Dashnaw, P.E.  
Senior Engineer

CJD/mc

cc: Georgie Nugent, McFarland-Johnson, Inc.

**ENVIRONMENTAL SUBSURFACE INVESTIGATION AND SOIL SAMPLING**

**PORT OF ALBANY EXPANSION PROJECT  
BEACON ISLAND PARCEL  
BETHLEHEM, ALBANY COUNTY, NEW YORK**



*WBE certified company*

**PREPARED FOR:**

**McFarland-Johnson, Inc.  
60 Railroad Place, Suite 402  
Saratoga Springs, New York 12866**

**PREPARED BY:**

**Atlantic Testing Laboratories, Limited  
22 Corporate Drive  
Clifton Park, New York 12065**

**ATL REPORT NO. AT5596CE-04-10-20**

**OCTOBER 22, 2020**

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## **1.0 INTRODUCTION**

In accordance with Atlantic Testing Laboratories, Limited (ATL) contract number AT5998-245-03-20, dated March 26, 2020, an environmental subsurface investigation and soil sampling were performed at the subject site from September 14 through 17, 2020. Soil sampling and analysis services were conducted to characterize soil conditions in areas throughout the site, prior to planned site redevelopment.

## **2.0 PROJECT DESCRIPTION**

### **2.1 Site Description**

The project site is the Beacon Island parcel located to the east of River Road (County Route 144) and along the west side of the Hudson River, in the Town of Bethlehem, Albany County, New York. The Beacon Island parcel is comprised of approximately 80 acres, and is the site of a planned expansion for the Port of Albany. A Site Location Map, showing the approximate location of the subject site, is included in Appendix A.

### **2.2 Background Information**

Information that was provided to ATL prior to the environmental subsurface investigation and soil sampling included a draft Phase II Environmental Site Assessment (ESA) report, prepared by Bergmann Associates for the Port of Albany and dated April 6, 2017. The Phase II ESA included the advancement of 12 test pits and 8 borings, and the installation of temporary monitor wells at 3 of the boring locations.

The 12 test pits from the previous site assessment were advanced to 12 feet below ground surface (bgs), with 1 terminated at 10 feet due to a clay layer that could not be penetrated with the excavation equipment. Information in the draft Phase II ESA report indicates that coal ash was observed throughout the depths for 3 of the test pits and a fourth test pit exhibited the presence of railroad ties covered in a black tar-like substance at depths of 8 to 12 feet bgs.

The 8 borings from the previous site assessment were advanced to depths ranging from 50 to 150 feet bgs, with the environmental sampling and screening limited to the initial 10 to 18 feet. Of the 8 borings, 7 exhibited evidence of coal ash. A surface soil sample was collected from the initial 2 inches for each boring. Subsurface soil samples were also collected from the borings at varying depths. There were 3 temporary monitor wells installed for collection of groundwater samples. The soil and groundwater samples were laboratory analyzed for volatile organic compounds (VOC), semi-VOC, cyanide, pesticides, polychlorinated biphenyls (PCB), and target compound list (TCL) metals. With the exception of metals, target compounds for the referenced analytical parameters were non-detect for each of the soil and groundwater samples.

In addition to the previous Phase II ESA report, a Soil Sampling and Analysis Plan was prepared prior to the environmental subsurface investigation and soil sampling. This Soil Sampling and Analysis Plan was prepared by ATL and dated June 17, 2020 (reference ATL Report No. AT5596CE-01-05-20 Revision 2). The Soil Sampling and Analysis Plan was prepared to describe the previously investigated site conditions, the areas of scheduled excavations for proposed site redevelopment, and the methods to be used for the environmental subsurface investigation and soil sampling.

## **2.3 Scope of Work**

The environmental subsurface investigation and soil sampling were conducted in general accordance with the Soil Sampling and Analysis Plan prepared by ATL (reference ATL Report No, AT5596CE-01-05-20 Revision 2, dated June 17, 2020). The environmental subsurface investigation and soil sampling included the advancement of subsurface probes to assess the general subsurface conditions at the Beacon Island parcel, and to collect soil samples in consideration of reuse as a cover material. A total of 45 probes were advanced at the subject site, and 22 grab and 11 composite soil samples were collected for subsequent laboratory analysis.

## **3.0 SUBSURFACE INVESTIGATION**

### **3.1 Soil Probes**

The environmental subsurface investigation included the advancement of 45 soil probes. The soil probes were advanced to depths between 5.1 and 20 feet below ground surface (bgs). The soil probes were advanced using a Geoprobe Model 7822DT hydraulic powered hammer push/percussion probing machine.

Soil samples were collected continuously throughout each probe, utilizing Geoprobe Systems' Macro-Core Soil Sampler system, by advancing a 1.75-inch diameter by 60-inch long steel sampling barrel equipped with expendable PVC liners. The recovered soil samples were examined for detectable odors and visual indicators of petroleum product and/or volatile organic compounds (VOC). In addition, the samples were field screened for the measurable presence of VOC, using a portable photoionization detector (PID) equipped with a 10.6 eV lamp.

The locations of the soil probes were selected to include representative accessible areas of scheduled cuts for sampling and analysis, and other areas of the subject site to supplement information available from the previous Phase II ESA. A Probe Location Plan, depicting approximate probe locations and pertinent site features, is contained in Appendix B. Probe locations may vary from the approximate locations shown in the Soil Sampling and Analysis Plan, based on field conditions encountered and the actual site accessibility with the Geoprobe equipment at the time of the subsurface investigation.

Probe logs, containing a description of the subsurface stratigraphy encountered at each probe location and PID results, are contained in Appendix C. Table D-1, located in Appendix D, summarizes general soil probe information.

### **3.2 Subsurface Conditions**

ATL's on-site field representative visually classified the soil samples recovered from the probes in general accordance with ASTM Method D 2488, prepared a log of soil types encountered in the investigation, and recorded pertinent observations regarding probing conditions, types of soil encountered, approximate depth to water observations during probing, and field screening results. Soil descriptions included the following properties: density of sands and gravels, consistency of silts and clays (as determined from the penetration resistance from a thumb nail), moisture content, and color. The presence of foreign substances (e.g., debris) was also noted when applicable. Soil Probe Logs are contained in Appendix C.

Soil conditions encountered during the course of the subsurface investigation generally consisted of sand and clay materials, with varying portions of silt and gravel. Ash material was also identified for multiple probe locations.

## **4.0 SOIL SAMPLING AND LABORATORY ANALYSIS**

### **4.1 Sampling Methodology**

A total of 33 selected soil samples were submitted to Alpha Analytical, located in Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) approved laboratory (ELAP No. 11148). Of the 33 collected soil samples, 22 were laboratory analyzed for VOC, in accordance with EPA Method 8260 plus methyl tertiary butyl ether (MTBE). The remaining 11 samples were laboratory analyzed for semi-VOC, in accordance with EPA Method 8270 (base/neutral extractables); polychlorinated biphenyls (PCB), in accordance with EPA Method 8082; target analyte list (TAL) metals; hexavalent chromium; cyanide; and pesticides.

Soil samples submitted to Alpha Analytical were collected in clean laboratory glassware, with Teflon-lined lids, in accordance with industry standard protocol. Disposable sampling equipment (i.e., plastic bags, nitrile gloves) was utilized to collect samples. Samples were stored in a cooler, with ice, and maintained at approximately 4°C during storage and delivery to the laboratory. In addition, gravel larger than ½-inch in diameter, if encountered, was excluded from samples retained for laboratory analysis.

### **4.2 Summary of Laboratory Data**

A copy of the laboratory report and associated sample custody documentation for the referenced samples is contained in Appendix E. Tables F-1 and F-2, contained in Appendix F, summarizes analytical results for the soil samples that were collected.

## **5.0 SUMMARY OF FINDINGS**

The subsurface investigation identified various locations where ash material is present. The ash material was predominantly observed on the west side of the subject site. No obvious visual or olfactive evidence of petroleum or chemical-related contamination was observed at the locations investigated.

As indicated in Table F-1 of Appendix F, laboratory analysis identified detected concentrations for certain target VOC in 8 of the 22 grab soil samples. With the exception of acetone for the samples from Borings 45 and 13, the reported concentrations for these compounds were below the NYSDEC Unrestricted Soil Cleanup Objectives (SCO) and below the 6 NYCRR Part 360 fill material pre-determined beneficial use criteria

As indicated in Table F-2 of Appendix F, laboratory analysis of the composite soil samples identified detectable concentrations of various target semi-VOC, PCB, pesticides, and metals, some of which exceeded the NYSDEC Unrestricted Use Soil Cleanup Objectives (SCO) per 6 NYCRR Part 375 or NYSDEC CP-51, but did not exceed the 6 NYCRR Part 375/NYSDEC CP-360 Commercial or Industrial Soil Cleanup Levels with the exception of arsenic for the sample from Borings 10, 11, and 12. Hexavalent chromium and cyanide were not detected in any of the samples analyzed. As compared to the 6 NYCRR Part 360 fill material beneficial use criteria, all detectable compounds satisfied the limits for the

general fill, restricted-use fill, and limited-use fill with the exception of arsenic for the sample from Borings 10, 11, and 12.

## **6.0 CONCLUSIONS AND RECOMMENDATIONS**

The following is a summary of findings from the environmental subsurface investigation and soil sampling performed by ATL. Recommendations for further investigation and/or remediation activities are also provided, as warranted.

Ash material at the subject site is present in a widespread condition, and not considered practical for complete excavation and disposal at this time. Based on correspondence with project representatives, it is our understanding that it is intended to manage the ash material in-place via application of a soil cover system. Areas that are scheduled for excavation would require disposal of any ash material that is removed. Based on the analytical results for soil samples collected from areas of the site without the ash material, it is anticipated that the on-site soil could be used as part of the soil cover system. A Soil Management Plan, detailing procedures that can be implemented at the subject site, will be prepared by ATL and submitted in a separate report.



**APPENDIX A**  
**SITE LOCATION MAP**



**Site Location Map**

Drawn by:  
TSP

Scale:  
Not to scale

Project No.:  
AT5596

Date:  
October 2020

**Beacon Island Parcel  
Bethlehem, Albany County, New York**

***ATLANTIC TESTING LABORATORIES, Limited***

Albany, NY  
Poughkeepsie,

Binghamton, NY  
Syracuse, NY

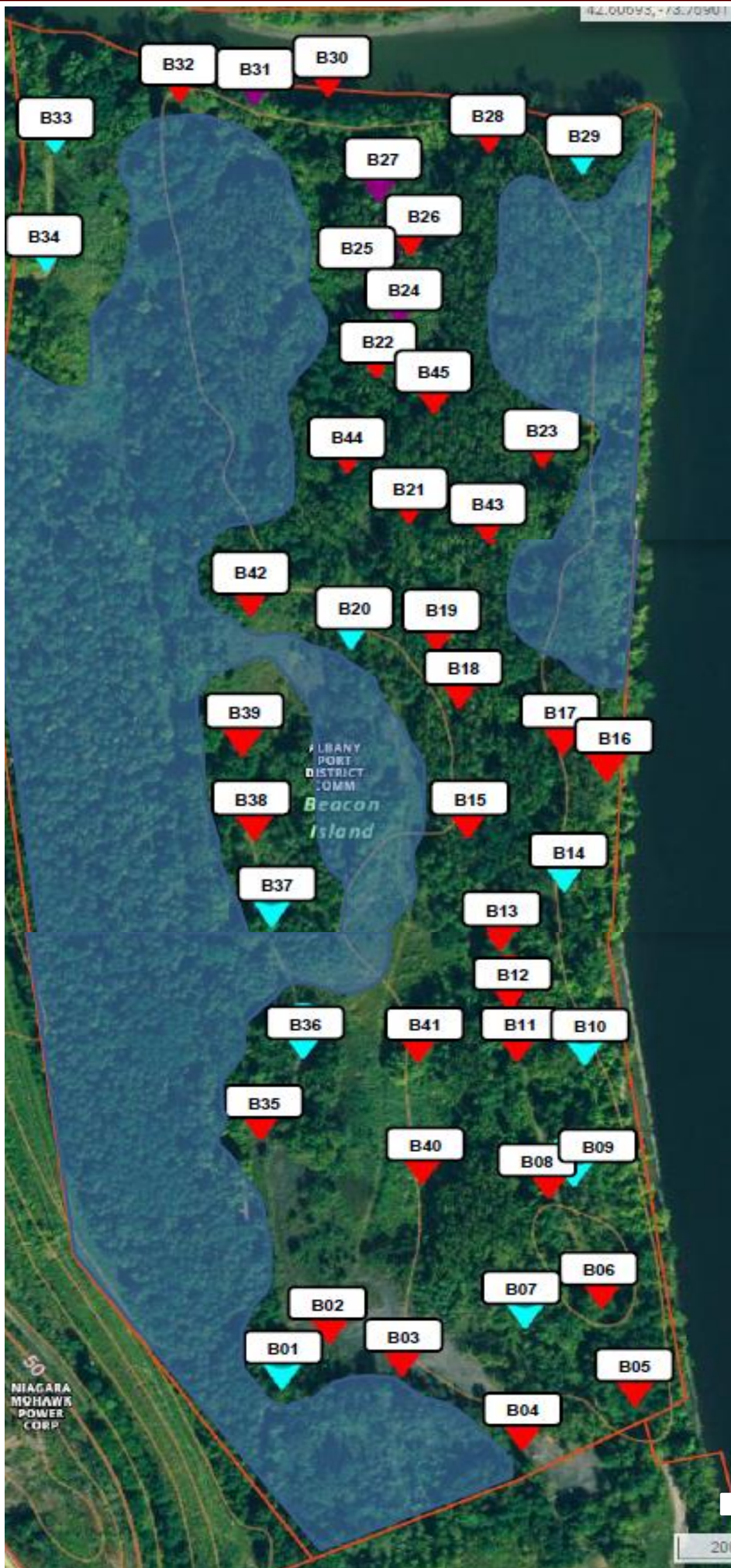
Canton, NY  
Rochester, NY

Elmira, NY  
Utica, NY

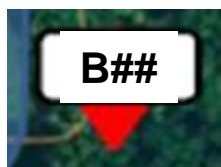
Plattsburgh, NY  
Watertown, NY

**APPENDIX B**  
**PROBE LOCATION PLAN**





**Key:**



Approximate Probe Location

<p align="center"><b>Probe Location Plan</b></p>	<p>Drawn by: MAC</p>	<p>Scale: Not to scale</p>	<p>Project No.: AT5596</p>	<p>Date: October 2020</p>
<p align="center"><b>Beacon Island Parcel Bethlehem, Albany County, New York</b></p>	<p align="center"><b>ATLANTIC TESTING LABORATORIES, Limited</b></p> <p>Albany, NY    Binghamton, NY    Canton, NY    Elmira, NY    Plattsburgh, NY  Poughkeepsie, NY    Syracuse, NY    Rochester, NY    Utica, NY    Watertown, NY</p>			

**APPENDIX C**  
**PROBE LOGS**



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-1  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 15, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services  
 McFarland-Johnson  
 Port of Albany- Beacon Island Parcel  
 Bethlehem, Albany County, New York  
 ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	40"	0 - 0.5'	Brown TOPSOIL
			0.5 - 2'	Gray ASH
1	ND			
2	ND			
3	ND			
4	ND			
5	ND	48"	5 - 6'	Gray cmf SAND
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	48"	10 - 12'	Brown cmf Sand
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	24"	15 to 20'	Gray CLAY; little cmf SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**  
 Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-2  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 15, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services  
 McFarland-Johnson  
 Port of Albany- Beacon Island Parcel  
 Bethlehem, Albany County, New York  
 ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	18"	0 - 5'	Black ASH
1	ND			
2	ND			
3	ND			
4	ND			
5	ND	24"	5 - 10'	Black ASH
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	60"	10 to 15'	Black ASH
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	60"	15 to 20'	Black ASH
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection





# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-3  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 15, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	24"	0 - 5'	Black ASH
1	ND			
2	ND			
3	ND			
4	ND			
5	ND	24"	5 - 10'	Black ASH
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	36"	10 to 15'	Black ASH
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	60"	15 - 18'	Black ASH
16	ND		18 to 20	Black Clay
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection





# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-4  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 15, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	30"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 5'	Black ASH
2	ND			
3	ND			
4	ND			
5	ND	30"	5 - 10'	Black ASH
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	30"	10 - 15'	Black ASH
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	60"	15 - 17.5'	Black ASH
16	ND			
17	ND			
18	ND		17.5 to 20'	Black Clay
19	ND			

**NOTES**  
 Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-5  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 15, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 to 1.5'	Brown f SAND
2	ND		1.5 - 5'	Gray mf SAND
3	ND	60"		
4	ND			
5	ND		5 - 10'	Dark Gray f SAND
6	ND	60"		
7	ND			
8	ND			
9	ND	60"		
10	ND		10 - 10.5'	Dark Gray f SAND
11	ND		10.5 - 11'	Brown mf SAND
12	ND	60"	11 - 14'	Dark Gray m SAND; little f GRAVEL
13	ND			
14	ND		14 - 15'	Dark Gray mf SAND; little mf GRAVEL; trace DEBRIS
15	ND	60"	15 - 17.5'	Gray mf SAND; little mf GRAVEL
16	ND			
17	ND		17.5 - 20'	Gray Clay
18	ND	60"		
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-6  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 15, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	50"	0 - 0.5'	Brown TOPSOIL; little mf SAND
1	ND		0.5 - 3'	Gray CLAY
2	ND			
3	ND		3 - 5'	Black mf SAND
4	ND			
5	ND	54"	5 - 10'	Gray mf SAND
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	60"	10 - 12'	Gray mf SAND; little f GRAVEL
11	ND			
12	ND		12 - 15'	Gray CLAY
13	ND			
14	ND			
15	ND	60"	15 - 20'	Gray CLAY
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-7  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 15, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	36"	0 - 5'	Black ASH
1	ND			
2	ND			
3	ND			
4	ND			
5	ND	48"	5 - 10'	Black ASH
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	56"	10 - 11'	Black ASH
11	ND		11 - 15'	Brown Sand; some Clay
12	ND			
13	ND			
14	ND			
15	ND	42"	15 - 15.5'	Brown CLAY
16	ND		16 - 20'	Brown/Black CLAY; little SAND
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-8  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 15, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 3'	Gray Clay; little mf SAND
2	ND		3 - 5'	Gray CLAY
3	ND			
4	ND	60"	5 - 8'	Black mf SAND; little SILT
5	ND			
6	ND		8 - 10'	Brown m mf SAND; little SILT
7	ND			
8	ND			
9	ND			
10	ND	60"	10 - 15'	Brown f SAND
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	8"	15 - 20'	Brown cmf SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-9  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 15, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Brown TOPSOIL
1	7.2		0.5 - 2.5'	Brown mf SAND; some ASH
2	18.2		2.5' - 5'	Gray CLAY
3	1.2			
4	ND	12"	5 - 10'	Gray CLAY; little cmf SAND
5	ND			
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	18"	10 - 15'	Gray CLAY
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	60"	15' - 20'	Black CLAY
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-10  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	42"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 4'	Brown mf SAND
2	ND			
3	ND			
4	ND		4 - 5'	Brown mf SAND; trace CLAY
5	ND	56"	5' - 7.5'	Brown mf SAND; little CLAY
6	ND			
7	ND		7.5 - 10'	Brown CLAY; little f SAND
8	ND			
9	ND			
10	ND	24"	10 - 15'	Brown Clay; little f SAND
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	60"	15 - 20'	Gray CLAY; little cmf SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**  
 Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-11  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	56"	0 - 0.5'	Black TOPSOIL
1	ND		0.5 - 5'	Brown/Black cmf SAND
2	ND			
3	ND			
4	ND			
5	ND	60"	5 - 8'	Black CLAY; trace DEBRIS
6	ND			
7	ND			
8	ND		8 - 10'	Black ASH
9	ND			
10	ND	30"	10 - 11.5'	Black ASH
11	ND			
12	ND		11.5 - 15'	Black/Brown mf SAND
13	ND			
14	ND			
15	ND	30"	15 - 20'	Brown/Black f SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection





# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-12  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 5'	Black f SAND; trace f GRAVEL
2	ND			
3	ND			
4	ND			
5	ND	60"	5 - 10'	Black f SAND
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	48"	10 - 11.5'	Black f SAND
11	ND		11.5 - 15'	Gray Clay
12	ND			
13	ND			
14	ND			
15	ND	54"	15 - 20'	Black/Brown CLAY
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-13  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 2.5'	Brown mf SAND
2	ND		2.5 - 5'	Black mf SAND; trace CLAY
3	ND			
4	ND			
5	ND	48"	5 - 10'	Black/Gray mf SAND; little CLAY
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	60"	10 - 15'	Black CLAY
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	42"	15 - 20'	Black CLAY
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-14  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	56"	0 - 0.5'	Black TOPSOIL
			0.5 - 1'	Brown cmf SAND
1	ND		1 - 3'	Brown mf SAND
2	ND			
3	ND		3 - 5'	Brown f SAND
4	ND			
5	ND	30"	5 - 10'	Brown f SAND
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	30"	10 - 15'	Brown f SAND
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	60"	15 - 20'	Gray CLAY
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-15  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	54"	0 - 1.5'	Black TOPSOIL
1	ND		1.5 - 5'	Gray CLAY; little SAND
2	ND			
3	ND			
4	ND			
5	ND	30"	5 - 5.5'	Black CLAY; trace f SAND
			5.5 - 6.5'	Brown f SAND
6	ND		6.5 - 10'	Gray CLAY
7	ND			
8	ND			
9	ND	30"	10 - 12'	Black CLAY; trace m SAND
10	ND			
11	ND			
12	ND			
13	ND	54"	12 - 15'	Gray CLAY
14	ND			
15	ND		15 - 18'	Gray CLAY
16	ND			
17	ND			
18	ND	18 - 20'	Gray/Brown CLAY; little f SAND	
19	ND			

**NOTES**  
 Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-16  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	36"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 2'	Brown f SAND; trace f GRAVEL
2	ND		2 - 5'	Brown f SAND
3	ND			
4	ND			
5	ND	30"	5 - 10'	Brown f SAND; f GRAVEL
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	36"	10 - 10.5'	Brown f SAND
11	ND		10.5 - 14'	Brown CLAY; trace f SAND
12	ND			
13	ND			
14	ND		14 - 15'	Gray CLAY
15	ND	36"	15' - 20'	Brown/Gray CLAY
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-17  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 1'	Brown TOPSOIL
1	ND		1 - 3'	Gray CLAY
2	ND		3 - 5'	Brown CLAY
3	ND			
4	ND	48"	5 - 10'	Brown/Gray CLAY
5	ND			
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	48"	10 - 15'	Brown/Gray CLAY
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	48"	15 - 20'	Brown/Gray CLAY
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-18  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services  
 McFarland-Johnson  
 Port of Albany- Beacon Island Parcel  
 Bethlehem, Albany County, New York  
 ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Black TOPSOIL
1	ND		0.5 - 2'	Black mf SAND
2	ND		2 - 5'	Gray CLAY; trace f GRAVEL
3	ND			
4	ND			
5	ND	60"	5 - 6'	Black CLAY
6	ND		6 - 10'	Gray CLAY
7	ND			
8	ND			
9	ND			
10	ND	60"	10 - 15'	Gray CLAY
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	60"	15 - 20'	Gray CLAY
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-19  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 1'	Brown TOPSOIL
1	ND		1 - 2'	Gray CLAY; some f SAND
2	ND		2 - 5'	Brown m SAND
3	ND			
4	ND			
5	ND	60"	5 - 5.5'	Brown m SAND
			5.5 - 10'	Gray CLAY
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	24"	10 - 10.5'	Gray CLAY
			10.5 - 12'	Brown m SAND; some CLAY
11	ND			
12	ND		12 - 15'	Gray CLAY
13	ND			
14	ND			
15	ND	54"	15 - 20'	Gray CLAY
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection





# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-20  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 2'	Black ASH
1	ND			
2	ND		2 - 5'	Gray CLAY
3	ND			
4	ND			
5	ND	60"	5 - 9'	Gray CLAY
6	ND			
7	ND		9 - 10'	Brown m SAND
8	ND			
9	ND			
10	ND	24"	10 - 11.5'	Black CLAY
11	ND			
12	ND		11.5 - 15'	Brown mf SAND
13	ND			
14	ND			
15	ND	60"	15 - 20'	Gray CLAY
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-21  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	56"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 5'	Gray CLAY
2	ND			
3	ND			
4	ND			
5	ND	60"	5 - 10'	Gray CLAY
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	30"	10 - 11.5'	Gray CLAY
11	ND		11.5 - 15'	Gray f SAND
12	ND			
13	ND			
14	ND			
15	ND	60"	15 - 17'	Gray f SAND
16	ND			
17	ND		17 - 20'	Gray CLAY
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-22  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 3.5'	Brown mf SAND; some f GRAVEL
2	ND		3.5 - 5'	Gray CLAY; some f GRAVEL
3	ND			
4	ND			
5	ND	48"	5 - 5.5'	Gray CLAY; some f GRAVEL
6	ND		5.5 - 8'	Brown/Gray CLAY
7	ND		8 - 10'	Brown f SAND
8	ND			
9	ND			
10	ND	60"	10 - 11'	Brown f SAND
11	ND		11 - 15'	Gray CLAY
12	ND		15 - 20'	Gray CLAY
13	ND			
14	ND			
15	ND	60"	15 - 20'	Gray CLAY
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-23  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material	
0	ND	60"	0 - 0.5'	Black TOPSOIL	
1	ND		0.5 - 2.5'	Black f SAND	
2	ND		2.5 - 5'	Brown f SAND	
3	ND				
4	ND	40"	5 - 5.5'	Brown f SAND	
5	ND		5.5 - 10'	Black CLAY	
6	ND		60"	10 - 15'	Gray CLAY
7	ND				
8	ND				
9	ND				
10	ND	60"	15 - 20'	Gray CLAY	
11	ND				
12	ND				
13	ND				
14	ND				
15	ND				
16	ND				
17	ND				
18	ND				
19	ND				

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-24  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services  
 McFarland-Johnson  
 Port of Albany- Beacon Island Parcel  
 Bethlehem, Albany County, New York  
 ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 5'	Brown mf SAND; some f GRAVEL; trace CLAY
2	ND			
3	ND			
4	ND			
5	ND	60"	5 - 5.5'	Brown mf SAND; some f GRAVEL; trace CLAY
6	ND		5.5 - 10'	Gray CLAY
7	ND			
8	ND			
9	ND			
10	ND	24"	10 - 15'	Gray CLAY
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	18"	15 - 20'	Gray CLAY; some f SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-25  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services  
 McFarland-Johnson  
 Port of Albany- Beacon Island Parcel  
 Bethlehem, Albany County, New York  
 ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 3'	Brown f SAND
2	ND			
3	ND		3 - 5'	Brown f SAND; little CLAY
4	ND			
5	ND	60"	5 - 7'	Brown f SAND; little CLAY
6	ND			
7	ND		7 - 10'	Gray CLAY
8	ND			
9	ND			
10	ND	36"	10 - 12.5'	Gray CLAY
11	ND			
12	ND		12.5 - 15'	Brown f SAND
13	ND			
14	ND			
15	ND	42"	15 - 20'	Gray CLAY
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-26  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 5'	Brown f SAND; some f GRAVEL
2	ND			
3	ND			
4	ND			
5	ND	No Recovery	5 - 5.1'	Refusal @5.1'
6	ND			
7	ND			
8	ND			
9	ND			
10	ND			
11	ND			
12	ND			
13	ND			
14	ND			
15	ND			
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 5 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-27  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 16, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	50"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 5'	Brown f SAND
2	ND			
3	ND			
4	ND			
5	ND	60"	5 - 6'	Brown f SAND; little f GRAVEL
6	ND		6 - 6.5'	Black mf SAND
7	ND		6.5 - 10'	Gray CLAY
8	ND			
9	ND			
10	ND	36"	10 - 15'	Gray/Brown CLAY; little f SAND
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	60"	15 - 20'	Gray/Brown CLAY; little f SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection





# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-28  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	48"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 3'	Brown f SAND; trace f GRAVEL
2	ND			
3	ND		3 - 5'	Brown f SAND; trace mf GRAVEL
4	ND			
5	ND	40"	5 - 7'	Brown f SAND; little mf GRAVEL
6	ND			
7	ND		7 - 8'	Brown f SAND
8	ND		8 - 10'	Brown f SAND; little mf GRAVEL
9	ND			
10	ND	36"	10 - 12.5'	Brown f SAND; little mf GRAVEL
11	ND			
12	ND		12.5 - 15'	Brown CLAY; little f SAND
13	ND			
14	ND			
15	ND	24"	15 - 16'	Brown f SAND; trace mf GRAVEL
16	ND		16 - 20'	Brown mf SAND; trace mf GRAVEL
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-29  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services  
 McFarland-Johnson  
 Port of Albany- Beacon Island Parcel  
 Bethlehem, Albany County, New York  
 ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	56"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 5'	Brown f SAND
2	ND			
3	ND			
4	ND			
5	ND	60"	5 - 7'	Brown f SAND
6	ND			
7	ND		7 - 10'	Brown CLAY
8	ND			
9	ND			
10	ND	60"	10 - 11'	Brown f SAND
11	ND		11 - 15'	Gray CLAY
12	ND			
13	ND			
14	ND			
15	ND	36"	15 - 20'	Gray CLAY
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-30  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 3'	Brown CLAY; trace f SAND
2	ND			
3	ND		3 - 4.5'	Gray CLAY; trace mf GRAVEL
4	ND			
5	ND	60"	4.5 - 5'	White m GRAVEL
6	ND		5 - 10'	Gray CLAY; little f SAND
7	ND			
8	ND			
9	ND			
10	ND			Refusal @ 10'
11	ND			
12	ND			
13	ND			
14	ND			
15	ND			
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**  
 Probe Refusal at 10 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-31  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 1'	Gray mf SAND
1	ND		1 - 5'	Brown mf SAND
2	ND			
3	ND			
4	ND			
5	ND	60"	5 - 10'	Brown f SAND
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	60"	10 - 12.5'	Brown f SAND; trace f GRAVEL
11	ND			
12	ND		12.5 - 15'	Gray CLAY
13	ND			
14	ND			
15	ND	40"	15 - 20'	Gray CLAY; some f SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-32  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 5'	Brown mf SAND
2	ND			
3	ND			
4	ND			
5	ND	48"	5 - 10'	Brown f Sand
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	60"	10 - 14'	Brown f SAND; trace f GRAVEL
11	ND			
12	ND			
13	ND			
14	ND		14 - 15'	Black CLAY
15	ND	60"	15 - 20'	Gray/Brown CLAY; some f SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-33  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	36"	0 - 0.5'	Black TOPSOIL
1	ND		0.5 - 5'	Gray CLAY
2	ND			
3	ND			
4	ND			
5	ND	60"	5 - 10'	Gray CLAY
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	60"	10 - 15'	Gray CLAY
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	60"	15 - 20'	Gray CLAY; trace f SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-34  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	36"	0 -0.5'	Brown TOPSOIL
1	ND		0.5 - 5'	Gray CLAY
2	ND			
3	ND			
4	ND			
5	ND	48"	5 - 10'	Gray CLAY
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	60"	10 - 15'	Gray CLAY
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	60"	15 -20'	Gray CLAY; trace f SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-35  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 5'	Black ASH
1	ND			
2	ND			
3	ND			
4	ND			
5	ND	36"	5 - 10'	Black ASH
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	60"	10 - 12.5	Black ASH
11	ND		12.5 - 15'	Gray CLAY
12	ND			
13	ND			
14	ND			
15	ND	60"	15 - 20'	Gray CLAY; trace f SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection





# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-36  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	56"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 5'	Black ASH
2	ND			
3	ND			
4	ND			
5	ND	36"	5 - 6'	Black ASH
6	ND		6 - 10'	Gray CLAY; trace f SAND
7	ND			
8	ND			
9	ND			
10	ND	60"	10 - 15'	Gray CLAY; trace f SAND
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	60"	15 - 20'	Gray CLAY; trace f SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-37  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services  
 McFarland-Johnson  
 Port of Albany- Beacon Island Parcel  
 Bethlehem, Albany County, New York  
 ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Black TOPSOIL
1	ND		0.5 - 5'	Black ASH
2	ND			
3	ND			
4	ND			
5	ND	60"	5 - 7.5'	Black ASH
6	ND			
7	ND			
8	ND		7.5 - 10'	Gray CLAY
9	ND			
10	ND	60"	10 - 15'	Gray CLAY; trace f SAND
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	60"	15 - 20'	Gray CLAY; trace f SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-38  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services  
 McFarland-Johnson  
 Port of Albany- Beacon Island Parcel  
 Bethlehem, Albany County, New York  
 ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 5'	Black ASH
1	ND			
2	ND			
3	ND			
4	ND			
5	ND	60"	5 - 7'	Black ASH
6	ND			
7	ND		7 - 10'	Gray CLAY
8	ND			
9	ND			
10	ND	60"	10 - 10.5'	Gray CLAY
			10.5 - 11.5'	Black ASH
11	ND		11.5 - 15'	Gray CLAY
12	ND			
13	ND			
14	ND	60"	15 - 20'	Gray CLAY; trace f SAND
15	ND			
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-39  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	36"	0 - 5'	Black ASH
1	ND			
2	ND			
3	ND			
4	ND			
5	ND	36"	5 - 10'	Black ASH
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	30"	10 - 15'	Black ASH
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	60"	15 - 20'	Gray CLAY; trace f SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-40  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services  
 McFarland-Johnson  
 Port of Albany- Beacon Island Parcel  
 Bethlehem, Albany County, New York  
 ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	30"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 5'	Black ASH
2	ND			
3	ND			
4	ND			
5	ND	36"	5 - 10'	Black ASH
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	42"	10 - 15'	Black ASH
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	12"	15 - 20'	Black ASH
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-41  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 1.5'	Brown mf SAND; trace mf GRAVEL
2	ND		1.5 - 5'	Gray CLAY; trace mf GRAVEL
3	ND			
4	ND			
5	ND	60"	5 - 5.5'	Gray CLAY
6	ND		5.5 - 7.5'	Black f SAND
7	ND		7.5 - 10'	Gray CLAY
8	ND			
9	ND			
10	ND	60"	10 - 15'	Gray CLAY
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	54"	15 - 20'	Gray CLAY; little f SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-42  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	54"	0 - 5'	Black ASH
1	ND			
2	ND			
3	ND			
4	ND			
5	ND	60"	5 - 8'	Black ASH
6	ND		8 - 10'	Gray CLAY
7	ND			
8	ND			
9	ND			
10	ND	38"	10 - 14'	Gray CLAY
11	ND		14 - 15'	Brown mf SAND
12	ND			
13	ND			
14	ND			
15	ND	60"	15 - 20'	Gray CLAY
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-43  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services  
 McFarland-Johnson  
 Port of Albany- Beacon Island Parcel  
 Bethlehem, Albany County, New York  
 ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	60"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5 - 1.5'	Black f SAND
2	ND		1.5 - 5'	Gray CLAY; trace f GRAVEL
3	ND			
4	ND			
5	ND	60"	5 - 5.5'	Gray CLAY; trace f GRAVEL
6	ND		5.5 - 10'	Gray CLAY; trace f SAND
7	ND			
8	ND			
9	ND			
10	ND	38"	10 - 15'	Gray CLAY
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	60"	15 - 20'	Gray CLAY; trace f SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection





# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-44  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services  
 McFarland-Johnson  
 Port of Albany- Beacon Island Parcel  
 Bethlehem, Albany County, New York  
 ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	30"	0 - 0.5'	Brown m SAND
1	ND		0.5 - 3'	Gray m GRAVEL; little f SAND
2	ND			
3	ND		3 - 5'	Gray CLAY; trace f GRAVEL
4	ND			
5	ND	60"	5 - 7'	Gray/Brown CLAY; some f SAND
6	ND			
7	ND		7 - 10'	Gray/Brown CLAY; some mf SAND
8	ND			
9	ND			
10	ND	12"	10 - 15'	Brown mf SAND
11	ND			
12	ND			
13	ND			
14	ND			
15	ND	30"	15 - 20'	Gray CLAY; trace f SAND
16	ND			
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

PROBE NUMBER: B-45  
 SHEET NUMBER: 1 of 1  
 PROBE ADVANCED: Geoprobe G40  
 ADVANCEMENT DATE: September 17, 2020  
 ATL PROJECT MANAGER: Matthew A. Clum  
 GROUND ELEVATION: Not Determined  
 GROUNDWATER TABLE: Not Determined  
 PID CALIBRATION: 100 ppm Isobutylene  
 PROBE LOCATION: See Probe Location Plan

**Geoprobe Investigation Services**  
**McFarland-Johnson**  
**Port of Albany- Beacon Island Parcel**  
**Bethlehem, Albany County, New York**  
**ATL Report No. AT5596CE-04-10-20**

Classification of Material  
 c=course, m=medium, f=fine  
 and=35-50%, some=20-35%, little=10-20%, trace=0-10%

Depth (ft)	PID (ppm)	Recovery	Depth	Classification of Material
0	ND	54"	0 - 0.5'	Brown TOPSOIL
1	ND		0.5' - 5'	Gray/Brown mf SAND
2	ND			
3	ND			
4	ND			
5	ND	24"	5 - 10'	Brown CLAY; little f SAND
6	ND			
7	ND			
8	ND			
9	ND			
10	ND	28"	10 - 10.5'	Brown/Gray mf SAND; some mf GRAVEL
11	ND		10.5 - 11.5'	Gray CLAY
12	ND		11.5 - 15'	Gray/Brown CLAY; some f SAND
13	ND			
14	ND			
15	ND	24"	15 - 16'	Gray CLAY
16	ND		16 - 20'	Gray f SAND
17	ND			
18	ND			
19	ND			

**NOTES**

Probe Terminated at 20 feet.  
 Ambient PID reading recorded (PID equipped with a 10.6 eV lamp).  
 ND = No Detection

**APPENDIX D**  
**SUMMARY OF PROBE DATA**

**Table D- I**  
**Summary of Probe Data**  
**Probes Advanced September 15 through 17, 2020**

<b>Probe Number</b>	<b>Probe Depth (feet bgs)</b>	<b>PID Reading (Range in ppm)</b>	<b>Presence of Ash or Other Debris</b>
B-1	20.0	ND	Waste ash/coal ash observed at 0.5 to 2 feet.
B-2	20.0	ND	Waste ash/coal ash observed at 0 to 20 feet (probe termination).
B-3	20.0	ND	Waste ash/coal ash observed at 0 to 20 feet.
B-4	20.0	ND	Waste ash/coal ash observed at 0 to 18 feet.
B-5	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-6	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-7	20.0	ND	Waste ash/coal ash observed at 0 to 11 feet.
B-8	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-9	20.0	ND	Waste ash/coal ash observed at 0.5 to 2.5 feet.
B-10	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-11	20.0	ND	Waste ash/coal ash observed at 8 to 11.5 feet.
B-12	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-13	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-14	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-15	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-16	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-17	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-18	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-19	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-20	20.0	ND	Waste ash/coal ash observed at 0 to 2 feet.
B-21	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-22	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-23	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-24	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-25	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-26	5.1	ND	No ash or evidence of other obvious waste materials observed.
B-27	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-28	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-29	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-30	10.0	ND	No ash or evidence of other obvious waste materials observed.
B-31	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-32	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-33	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-34	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-35	20.0	ND	Waste ash/coal ash observed at 0 to 12.5 feet.

**Table D- I (continued)**  
**Summary of Probe Data**  
**Probes Advanced September 15 through 17, 2020**

Probe Number	Probe Depth (feet bgs)	PID Reading (Range in ppm)	Presence of Ash or Other Debris
B-36	20.0	ND	Waste ash/coal ash observed at 0 to 6 feet.
B-37	20.0	ND	Waste ash/coal ash observed at 0.5 to 7.5 feet.
B-38	20.0	ND	Waste ash/coal ash observed at 0 to 11.5 feet.
B-39	20.0	ND	Waste ash/coal ash observed at 0 to 15 feet.
B-40	20.0	ND	Waste ash/coal ash observed at 0.5 to 20.0 feet.
B-41	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-42	20.0	ND	Waste ash/coal ash observed at 0 to 8 feet.
B-43	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-44	20.0	ND	No ash or evidence of other obvious waste materials observed.
B-45	20.0	ND	No ash or evidence of other obvious waste materials observed.

Notes:  
 ND = Not detected by field instrumentation  
 PID = Photoionization Detector  
 PID readings are representative of ambient field screening  
 ppm = parts per million  
 bgs = below ground surface

**APPENDIX E**

**LABORATORY REPORTS AND SAMPLE CUSTODY DOCUMENTATION**



## ANALYTICAL REPORT

Lab Number:	L2039249
Client:	Atlantic Testing Laboratories, Limited 22 Corporate Drive Clifton Park, NY 12065
ATTN:	Cheyenne Dashnaw
Phone:	(518) 383-9144
Project Name:	BEACON ISLAND
Project Number:	AT5596
Report Date:	09/25/20

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: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039249

Report Date: 09/25/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2039249-01	AT5596CECS-01 BORINGS: 5,6,8	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039249-02	AT5596CECS-02 BORINGS: 10,11,12	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039249-03	AT5596CECS-03 BORINGS: 13,15,16	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039249-04	AT5596CECS-04 BORINGS: 17,18,19	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039249-05	AT5596CECS-05 BORINGS: 21,22,23	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039249-06	AT5596CECS-06 BORINGS: 24,25	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039249-07	AT5596CECS-07 BORINGS: 26,27	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039249-08	AT5596CECS-08 BORINGS: 28,29	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039249-09	AT5596CECS-09 BORINGS: 41,43	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039249-10	AT5596CECS-11 BORINGS: 30,31	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039249-11	AT5596CECS-10 BORINGS: 44,45	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

### 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:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

L2039249-11: A sample identified as "AT5596CECS-10 BORINGS: 44,45" was received, but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

#### Total Metals

L2039249-01 through -11: 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.

#### Cyanide, Total

The WG1413168-2/-3 LCS/LCSD recoveries for cyanide, total (34%/62%), associated with L2039249-01 through -10, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD is above the acceptance criteria for cyanide, total (63%).

The WG1413211-2/-3 LCS/LCSD recoveries for cyanide, total (73%/42%), associated with L2039249-11, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD is above the acceptance criteria for cyanide, total (54%).

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:  Melissa Sturgis

Title: Technical Director/Representative

Date: 09/25/20

# ORGANICS

# SEMIVOLATILES

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-01  
 Client ID: AT5596CECS-01 BORINGS: 5,6,8  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/22/20 02:52  
 Analyst: SZ  
 Percent Solids: 82%

Extraction Method: EPA 3546  
 Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	140		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-01  
 Client ID: AT5596CECS-01 BORINGS: 5,6,8  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	130		ug/kg	120	22.	1
Benzo(a)pyrene	100	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	130		ug/kg	120	33.	1
Benzo(k)fluoranthene	32	J	ug/kg	120	31.	1
Chrysene	91	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	56	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	58	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	57	J	ug/kg	160	27.	1
Pyrene	140		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-01  
 Client ID: AT5596CECS-01 BORINGS: 5,6,8  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	50		18-120

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-02  
 Client ID: AT5596CECS-02 BORINGS: 10,11,12  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/22/20 03:15  
 Analyst: SZ  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	20.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	41.	1
2,6-Dinitrotoluene	ND		ug/kg	210	35.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	30.	1
NDPA/DPA	ND		ug/kg	160	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	70.	1



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-02  
 Client ID: AT5596CECS-02 BORINGS: 10,11,12  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	43.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	29.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	990	96.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	99.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-02  
 Client ID: AT5596CECS-02 BORINGS: 10,11,12  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	63.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	76		18-120

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-03  
 Client ID: AT5596CECS-03 BORINGS: 13,15,16  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/22/20 03:37  
 Analyst: SZ  
 Percent Solids: 81%

Extraction Method: EPA 3546  
 Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	37.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	52.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	70.	1

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-03  
 Client ID: AT5596CECS-03 BORINGS: 13,15,16  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	85.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	77.	1
4-Nitrophenol	ND		ug/kg	290	83.	1
2,4-Dinitrophenol	ND		ug/kg	980	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-03  
 Client ID: AT5596CECS-03 BORINGS: 13,15,16  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	31	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	62		18-120

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039249-04  
 Client ID: AT5596CECS-04 BORINGS: 17,18,19  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/22/20 04:00  
 Analyst: SZ  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	210	20.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	35.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	41.	1
2,6-Dinitrotoluene	ND		ug/kg	210	35.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	71.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	70.	1

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-04  
 Client ID: AT5596CECS-04 BORINGS: 17,18,19  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	43.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	29.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	85.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	440	78.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	990	96.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	99.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-04  
 Client ID: AT5596CECS-04 BORINGS: 17,18,19  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	63.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	61		18-120



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039249-05  
 Client ID: AT5596CECS-05 BORINGS: 21,22,23  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/23/20 19:41  
 Analyst: JG  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	250		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-05  
 Client ID: AT5596CECS-05 BORINGS: 21,22,23  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	160		ug/kg	120	22.	1
Benzo(a)pyrene	130	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	150		ug/kg	120	33.	1
Benzo(k)fluoranthene	55	J	ug/kg	120	31.	1
Chrysene	140		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	42	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	77	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	59	J	ug/kg	160	27.	1
Pyrene	220		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	38.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	81.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-05  
 Client ID: AT5596CECS-05 BORINGS: 21,22,23  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	61		18-120

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-06  
 Client ID: AT5596CECS-06 BORINGS: 24,25  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/22/20 04:46  
 Analyst: SZ  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-06  
 Client ID: AT5596CECS-06 BORINGS: 24,25  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	130	35.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	130	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	87.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	79.	1
4-Nitrophenol	ND		ug/kg	290	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-06  
 Client ID: AT5596CECS-06 BORINGS: 24,25  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	32	9.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	51		18-120

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-07  
 Client ID: AT5596CECS-07 BORINGS: 26,27  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/22/20 05:09  
 Analyst: SZ  
 Percent Solids: 82%

Extraction Method: EPA 3546  
 Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-07  
 Client ID: AT5596CECS-07 BORINGS: 26,27  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1



**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-07  
 Client ID: AT5596CECS-07 BORINGS: 26,27  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	56		10-136
4-Terphenyl-d14	54		18-120

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-08  
 Client ID: AT5596CECS-08 BORINGS: 28,29  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/23/20 20:04  
 Analyst: JG  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	170		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-08  
 Client ID: AT5596CECS-08 BORINGS: 28,29  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	130		ug/kg	110	21.	1
Benzo(a)pyrene	150		ug/kg	150	46.	1
Benzo(b)fluoranthene	140		ug/kg	110	32.	1
Benzo(k)fluoranthene	48	J	ug/kg	110	30.	1
Chrysene	110		ug/kg	110	20.	1
Acenaphthylene	58	J	ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	69	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	94	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	74	J	ug/kg	150	26.	1
Pyrene	180		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-08  
 Client ID: AT5596CECS-08 BORINGS: 28,29  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	50		18-120

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-09  
 Client ID: AT5596CECS-09 BORINGS: 41,43  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/23/20 19:18  
 Analyst: JG  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	140		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-09  
 Client ID: AT5596CECS-09 BORINGS: 41,43  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	66	J	ug/kg	120	23.	1
Benzo(a)pyrene	67	J	ug/kg	160	50.	1
Benzo(b)fluoranthene	72	J	ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	59	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	33	J	ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	91	J	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	37	J	ug/kg	160	28.	1
Pyrene	140		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	980	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	82	J	ug/kg	290	32.	1

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-09  
 Client ID: AT5596CECS-09 BORINGS: 41,43  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	50		18-120

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-10  
 Client ID: AT5596CECS-11 BORINGS: 30,31  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/23/20 20:28  
 Analyst: JG  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	150		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-10  
 Client ID: AT5596CECS-11 BORINGS: 30,31  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	110		ug/kg	110	21.	1
Benzo(a)pyrene	88	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	93	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	44	J	ug/kg	110	30.	1
Chrysene	85	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	30	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	62	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	40	J	ug/kg	150	26.	1
Pyrene	130		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-10  
 Client ID: AT5596CECS-11 BORINGS: 30,31  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	60		18-120

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039249-11  
 Client ID: AT5596CECS-10 BORINGS: 44,45  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/23/20 06:38  
 Analyst: JG  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 09/22/20 11:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	24	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	180	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	34	J	ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-11  
 Client ID: AT5596CECS-10 BORINGS: 44,45  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	20	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	24	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	24	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	36	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-11  
 Client ID: AT5596CECS-10 BORINGS: 44,45  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	71		18-120

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

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

Analytical Method: 1,8270D  
Analytical Date: 09/22/20 01:44  
Analyst: SZ

Extraction Method: EPA 3546  
Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1412316-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

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

Analytical Method: 1,8270D  
Analytical Date: 09/22/20 01:44  
Analyst: SZ

Extraction Method: EPA 3546  
Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1412316-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

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

Analytical Method: 1,8270D  
Analytical Date: 09/22/20 01:44  
Analyst: SZ

Extraction Method: EPA 3546  
Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatiles Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1412316-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	87		18-120



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

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

Analytical Method: 1,8270D  
Analytical Date: 09/22/20 14:15  
Analyst: JG

Extraction Method: EPA 3546  
Extraction Date: 09/21/20 18:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1412664-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

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

Analytical Method: 1,8270D  
Analytical Date: 09/22/20 14:15  
Analyst: JG

Extraction Method: EPA 3546  
Extraction Date: 09/21/20 18:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1412664-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

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

Analytical Method: 1,8270D  
Analytical Date: 09/22/20 14:15  
Analyst: JG

Extraction Method: EPA 3546  
Extraction Date: 09/21/20 18:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1412664-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	75		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1412316-2 WG1412316-3								
Acenaphthene	77		73		31-137	5		50
1,2,4-Trichlorobenzene	70		66		38-107	6		50
Hexachlorobenzene	70		66		40-140	6		50
Bis(2-chloroethyl)ether	78		73		40-140	7		50
2-Chloronaphthalene	78		74		40-140	5		50
1,2-Dichlorobenzene	66		63		40-140	5		50
1,3-Dichlorobenzene	65		61		40-140	6		50
1,4-Dichlorobenzene	65		60		28-104	8		50
3,3'-Dichlorobenzidine	79		77		40-140	3		50
2,4-Dinitrotoluene	90		88		40-132	2		50
2,6-Dinitrotoluene	90		86		40-140	5		50
Fluoranthene	83		80		40-140	4		50
4-Chlorophenyl phenyl ether	79		76		40-140	4		50
4-Bromophenyl phenyl ether	76		72		40-140	5		50
Bis(2-chloroisopropyl)ether	79		77		40-140	3		50
Bis(2-chloroethoxy)methane	90		86		40-117	5		50
Hexachlorobutadiene	62		58		40-140	7		50
Hexachlorocyclopentadiene	63		59		40-140	7		50
Hexachloroethane	63		59		40-140	7		50
Isophorone	88		83		40-140	6		50
Naphthalene	71		66		40-140	7		50
Nitrobenzene	89		85		40-140	5		50
NDPA/DPA	83		80		36-157	4		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1412316-2 WG1412316-3								
n-Nitrosodi-n-propylamine	91		86		32-121	6		50
Bis(2-ethylhexyl)phthalate	97		95		40-140	2		50
Butyl benzyl phthalate	96		93		40-140	3		50
Di-n-butylphthalate	93		92		40-140	1		50
Di-n-octylphthalate	98		96		40-140	2		50
Diethyl phthalate	84		81		40-140	4		50
Dimethyl phthalate	84		81		40-140	4		50
Benzo(a)anthracene	92		90		40-140	2		50
Benzo(a)pyrene	77		75		40-140	3		50
Benzo(b)fluoranthene	93		89		40-140	4		50
Benzo(k)fluoranthene	72		70		40-140	3		50
Chrysene	77		75		40-140	3		50
Acenaphthylene	84		81		40-140	4		50
Anthracene	85		83		40-140	2		50
Benzo(ghi)perylene	87		82		40-140	6		50
Fluorene	79		75		40-140	5		50
Phenanthrene	84		80		40-140	5		50
Dibenzo(a,h)anthracene	93		88		40-140	6		50
Indeno(1,2,3-cd)pyrene	93		88		40-140	6		50
Pyrene	84		81		35-142	4		50
Biphenyl	80		76		37-127	5		50
4-Chloroaniline	70		67		40-140	4		50
2-Nitroaniline	86		84		47-134	2		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1412316-2 WG1412316-3								
3-Nitroaniline	79		77		26-129	3		50
4-Nitroaniline	87		84		41-125	4		50
Dibenzofuran	80		76		40-140	5		50
2-Methylnaphthalene	83		79		40-140	5		50
1,2,4,5-Tetrachlorobenzene	70		66		40-117	6		50
Acetophenone	85		80		14-144	6		50
2,4,6-Trichlorophenol	91		87		30-130	4		50
p-Chloro-m-cresol	94		89		26-103	5		50
2-Chlorophenol	78		73		25-102	7		50
2,4-Dichlorophenol	90		83		30-130	8		50
2,4-Dimethylphenol	96		89		30-130	8		50
2-Nitrophenol	86		80		30-130	7		50
4-Nitrophenol	100		97		11-114	3		50
2,4-Dinitrophenol	75		74		4-130	1		50
4,6-Dinitro-o-cresol	76		73		10-130	4		50
Pentachlorophenol	69		68		17-109	1		50
Phenol	91	Q	87		26-90	4		50
2-Methylphenol	86		80		30-130	7		50
3-Methylphenol/4-Methylphenol	91		88		30-130	3		50
2,4,5-Trichlorophenol	83		79		30-130	5		50
Benzoic Acid	63		64		10-110	2		50
Benzyl Alcohol	99		94		40-140	5		50
Carbazole	88		85		54-128	3		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039249

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Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1412316-2 WG1412316-3								
1,4-Dioxane	44		41		40-140	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		72		25-120
Phenol-d6	85		80		10-120
Nitrobenzene-d5	90		84		23-120
2-Fluorobiphenyl	80		76		30-120
2,4,6-Tribromophenol	74		67		10-136
4-Terphenyl-d14	85		83		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1412664-2 WG1412664-3								
Acenaphthene	68		68		31-137	0		50
1,2,4-Trichlorobenzene	69		67		38-107	3		50
Hexachlorobenzene	69		70		40-140	1		50
Bis(2-chloroethyl)ether	65		64		40-140	2		50
2-Chloronaphthalene	75		71		40-140	5		50
1,2-Dichlorobenzene	62		61		40-140	2		50
1,3-Dichlorobenzene	61		59		40-140	3		50
1,4-Dichlorobenzene	61		60		28-104	2		50
3,3'-Dichlorobenzidine	44		45		40-140	2		50
2,4-Dinitrotoluene	77		77		40-132	0		50
2,6-Dinitrotoluene	84		81		40-140	4		50
Fluoranthene	74		70		40-140	6		50
4-Chlorophenyl phenyl ether	70		71		40-140	1		50
4-Bromophenyl phenyl ether	74		72		40-140	3		50
Bis(2-chloroisopropyl)ether	66		64		40-140	3		50
Bis(2-chloroethoxy)methane	77		74		40-117	4		50
Hexachlorobutadiene	65		63		40-140	3		50
Hexachlorocyclopentadiene	71		71		40-140	0		50
Hexachloroethane	60		59		40-140	2		50
Isophorone	73		68		40-140	7		50
Naphthalene	66		64		40-140	3		50
Nitrobenzene	71		70		40-140	1		50
NDPA/DPA	73		72		36-157	1		50



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1412664-2 WG1412664-3								
n-Nitrosodi-n-propylamine	77		74		32-121	4		50
Bis(2-ethylhexyl)phthalate	79		77		40-140	3		50
Butyl benzyl phthalate	76		73		40-140	4		50
Di-n-butylphthalate	78		74		40-140	5		50
Di-n-octylphthalate	73		72		40-140	1		50
Diethyl phthalate	72		70		40-140	3		50
Dimethyl phthalate	78		74		40-140	5		50
Benzo(a)anthracene	70		68		40-140	3		50
Benzo(a)pyrene	76		76		40-140	0		50
Benzo(b)fluoranthene	74		75		40-140	1		50
Benzo(k)fluoranthene	73		69		40-140	6		50
Chrysene	68		68		40-140	0		50
Acenaphthylene	77		73		40-140	5		50
Anthracene	72		70		40-140	3		50
Benzo(ghi)perylene	74		71		40-140	4		50
Fluorene	72		72		40-140	0		50
Phenanthrene	71		69		40-140	3		50
Dibenzo(a,h)anthracene	74		70		40-140	6		50
Indeno(1,2,3-cd)pyrene	77		73		40-140	5		50
Pyrene	72		69		35-142	4		50
Biphenyl	85		80		37-127	6		50
4-Chloroaniline	62		58		40-140	7		50
2-Nitroaniline	78		76		47-134	3		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1412664-2 WG1412664-3								
3-Nitroaniline	68		66		26-129	3		50
4-Nitroaniline	72		72		41-125	0		50
Dibenzofuran	71		72		40-140	1		50
2-Methylnaphthalene	72		71		40-140	1		50
1,2,4,5-Tetrachlorobenzene	78		74		40-117	5		50
Acetophenone	84		82		14-144	2		50
2,4,6-Trichlorophenol	80		77		30-130	4		50
p-Chloro-m-cresol	84		81		26-103	4		50
2-Chlorophenol	73		70		25-102	4		50
2,4-Dichlorophenol	83		78		30-130	6		50
2,4-Dimethylphenol	79		77		30-130	3		50
2-Nitrophenol	72		73		30-130	1		50
4-Nitrophenol	74		73		11-114	1		50
2,4-Dinitrophenol	64		66		4-130	3		50
4,6-Dinitro-o-cresol	71		72		10-130	1		50
Pentachlorophenol	76		76		17-109	0		50
Phenol	74		70		26-90	6		50
2-Methylphenol	75		73		30-130.	3		50
3-Methylphenol/4-Methylphenol	77		73		30-130	5		50
2,4,5-Trichlorophenol	80		73		30-130	9		50
Benzoic Acid	48		58		10-110	19		50
Benzyl Alcohol	78		75		40-140	4		50
Carbazole	75		72		54-128	4		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1412664-2 WG1412664-3								
1,4-Dioxane	35	Q	34	Q	40-140	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		70		25-120
Phenol-d6	77		73		10-120
Nitrobenzene-d5	75		74		23-120
2-Fluorobiphenyl	76		71		30-120
2,4,6-Tribromophenol	78		75		10-136
4-Terphenyl-d14	74		71		18-120

# PCBS

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-01  
 Client ID: AT5596CECS-01 BORINGS: 5,6,8  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 09/21/20 20:10  
 Analyst: CW  
 Percent Solids: 82%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 19:56  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/21/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	39.2	3.48	1	A
Aroclor 1221	ND		ug/kg	39.2	3.93	1	A
Aroclor 1232	ND		ug/kg	39.2	8.31	1	A
Aroclor 1242	9.30	J	ug/kg	39.2	5.28	1	A
Aroclor 1248	ND		ug/kg	39.2	5.88	1	A
Aroclor 1254	ND		ug/kg	39.2	4.29	1	A
Aroclor 1260	ND		ug/kg	39.2	7.24	1	A
Aroclor 1262	ND		ug/kg	39.2	4.98	1	A
Aroclor 1268	ND		ug/kg	39.2	4.06	1	A
PCBs, Total	9.30	J	ug/kg	39.2	3.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	59		30-150	B

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039249-02  
 Client ID: AT5596CECS-02 BORINGS: 10,11,12  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 09/21/20 20:17  
 Analyst: CW  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 19:56  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/21/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	41.4	3.68	1	A
Aroclor 1221	ND		ug/kg	41.4	4.15	1	A
Aroclor 1232	ND		ug/kg	41.4	8.78	1	A
Aroclor 1242	16.6	J	ug/kg	41.4	5.58	1	B
Aroclor 1248	ND		ug/kg	41.4	6.21	1	A
Aroclor 1254	ND		ug/kg	41.4	4.53	1	A
Aroclor 1260	10.6	J	ug/kg	41.4	7.66	1	B
Aroclor 1262	ND		ug/kg	41.4	5.26	1	A
Aroclor 1268	ND		ug/kg	41.4	4.29	1	A
PCBs, Total	27.2	J	ug/kg	41.4	3.68	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	63		30-150	B

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039249-03  
 Client ID: AT5596CECS-03 BORINGS: 13,15,16  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 09/21/20 20:24  
 Analyst: CW  
 Percent Solids: 81%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 19:56  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/21/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	39.1	3.47	1	A
Aroclor 1221	ND		ug/kg	39.1	3.92	1	A
Aroclor 1232	ND		ug/kg	39.1	8.29	1	A
Aroclor 1242	6.35	J	ug/kg	39.1	5.27	1	B
Aroclor 1248	ND		ug/kg	39.1	5.86	1	A
Aroclor 1254	5.76	J	ug/kg	39.1	4.28	1	B
Aroclor 1260	ND		ug/kg	39.1	7.22	1	A
Aroclor 1262	ND		ug/kg	39.1	4.96	1	A
Aroclor 1268	ND		ug/kg	39.1	4.05	1	A
PCBs, Total	12.1	J	ug/kg	39.1	3.47	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	67		30-150	B

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039249-04  
 Client ID: AT5596CECS-04 BORINGS: 17,18,19  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 09/21/20 20:31  
 Analyst: CW  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 19:56  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/21/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	41.1	3.65	1	A
Aroclor 1221	ND		ug/kg	41.1	4.12	1	A
Aroclor 1232	ND		ug/kg	41.1	8.72	1	A
Aroclor 1242	ND		ug/kg	41.1	5.54	1	A
Aroclor 1248	ND		ug/kg	41.1	6.17	1	A
Aroclor 1254	ND		ug/kg	41.1	4.50	1	A
Aroclor 1260	ND		ug/kg	41.1	7.60	1	A
Aroclor 1262	ND		ug/kg	41.1	5.22	1	A
Aroclor 1268	ND		ug/kg	41.1	4.26	1	A
PCBs, Total	ND		ug/kg	41.1	3.65	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	69		30-150	B



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039249-05  
 Client ID: AT5596CECS-05 BORINGS: 21,22,23  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 09/22/20 10:15  
 Analyst: JAW  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 09/21/20 22:48  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/22/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	39.2	3.48	1	A
Aroclor 1221	ND		ug/kg	39.2	3.92	1	A
Aroclor 1232	ND		ug/kg	39.2	8.30	1	A
Aroclor 1242	ND		ug/kg	39.2	5.28	1	A
Aroclor 1248	ND		ug/kg	39.2	5.87	1	A
Aroclor 1254	ND		ug/kg	39.2	4.28	1	A
Aroclor 1260	ND		ug/kg	39.2	7.24	1	A
Aroclor 1262	ND		ug/kg	39.2	4.97	1	A
Aroclor 1268	ND		ug/kg	39.2	4.06	1	A
PCBs, Total	ND		ug/kg	39.2	3.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	35		30-150	B

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-06  
 Client ID: AT5596CECS-06 BORINGS: 24,25  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 09/21/20 20:46  
 Analyst: CW  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 19:56  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/21/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	41.7	3.70	1	A
Aroclor 1221	ND		ug/kg	41.7	4.18	1	A
Aroclor 1232	ND		ug/kg	41.7	8.84	1	A
Aroclor 1242	ND		ug/kg	41.7	5.62	1	A
Aroclor 1248	ND		ug/kg	41.7	6.26	1	A
Aroclor 1254	ND		ug/kg	41.7	4.56	1	A
Aroclor 1260	ND		ug/kg	41.7	7.71	1	A
Aroclor 1262	ND		ug/kg	41.7	5.30	1	A
Aroclor 1268	ND		ug/kg	41.7	4.32	1	A
PCBs, Total	ND		ug/kg	41.7	3.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	55		30-150	B

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039249-07  
 Client ID: AT5596CECS-07 BORINGS: 26,27  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 09/21/20 20:53  
 Analyst: CW  
 Percent Solids: 82%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 19:56  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/21/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	39.1	3.47	1	A
Aroclor 1221	ND		ug/kg	39.1	3.92	1	A
Aroclor 1232	ND		ug/kg	39.1	8.29	1	A
Aroclor 1242	ND		ug/kg	39.1	5.27	1	A
Aroclor 1248	ND		ug/kg	39.1	5.87	1	A
Aroclor 1254	ND		ug/kg	39.1	4.28	1	A
Aroclor 1260	ND		ug/kg	39.1	7.23	1	A
Aroclor 1262	ND		ug/kg	39.1	4.97	1	A
Aroclor 1268	ND		ug/kg	39.1	4.05	1	A
PCBs, Total	ND		ug/kg	39.1	3.47	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	73		30-150	B

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039249-08  
 Client ID: AT5596CECS-08 BORINGS: 28,29  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 09/21/20 21:00  
 Analyst: CW  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 19:56  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/21/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	38.0	3.37	1	A
Aroclor 1221	ND		ug/kg	38.0	3.80	1	A
Aroclor 1232	ND		ug/kg	38.0	8.05	1	A
Aroclor 1242	ND		ug/kg	38.0	5.12	1	A
Aroclor 1248	ND		ug/kg	38.0	5.70	1	A
Aroclor 1254	ND		ug/kg	38.0	4.15	1	A
Aroclor 1260	ND		ug/kg	38.0	7.02	1	A
Aroclor 1262	ND		ug/kg	38.0	4.82	1	A
Aroclor 1268	ND		ug/kg	38.0	3.93	1	A
PCBs, Total	ND		ug/kg	38.0	3.37	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	64		30-150	B

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039249-09  
 Client ID: AT5596CECS-09 BORINGS: 41,43  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 09/21/20 21:08  
 Analyst: CW  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 19:56  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/21/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	39.4	3.49	1	A
Aroclor 1221	ND		ug/kg	39.4	3.94	1	A
Aroclor 1232	ND		ug/kg	39.4	8.34	1	A
Aroclor 1242	9.27	J	ug/kg	39.4	5.30	1	B
Aroclor 1248	ND		ug/kg	39.4	5.90	1	A
Aroclor 1254	ND		ug/kg	39.4	4.30	1	A
Aroclor 1260	ND		ug/kg	39.4	7.27	1	B
Aroclor 1262	ND		ug/kg	39.4	5.00	1	A
Aroclor 1268	ND		ug/kg	39.4	4.08	1	A
PCBs, Total	9.27	J	ug/kg	39.4	3.49	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	82		30-150	B

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-10  
 Client ID: AT5596CECS-11 BORINGS: 30,31  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 09/21/20 21:15  
 Analyst: CW  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 19:56  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/21/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	36.4	3.23	1	A
Aroclor 1221	ND		ug/kg	36.4	3.64	1	A
Aroclor 1232	ND		ug/kg	36.4	7.71	1	A
Aroclor 1242	ND		ug/kg	36.4	4.90	1	A
Aroclor 1248	ND		ug/kg	36.4	5.46	1	A
Aroclor 1254	ND		ug/kg	36.4	3.98	1	A
Aroclor 1260	ND		ug/kg	36.4	6.72	1	A
Aroclor 1262	ND		ug/kg	36.4	4.62	1	A
Aroclor 1268	ND		ug/kg	36.4	3.77	1	A
PCBs, Total	ND		ug/kg	36.4	3.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	54		30-150	B

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-11  
 Client ID: AT5596CECS-10 BORINGS: 44,45  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 09/23/20 04:15  
 Analyst: JAW  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 09/22/20 12:31  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/22/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/kg	37.8	3.35	1	A
Aroclor 1221	ND		ug/kg	37.8	3.78	1	A
Aroclor 1232	ND		ug/kg	37.8	8.00	1	A
Aroclor 1242	ND		ug/kg	37.8	5.09	1	A
Aroclor 1248	ND		ug/kg	37.8	5.66	1	A
Aroclor 1254	ND		ug/kg	37.8	4.13	1	A
Aroclor 1260	ND		ug/kg	37.8	6.98	1	A
Aroclor 1262	ND		ug/kg	37.8	4.79	1	A
Aroclor 1268	ND		ug/kg	37.8	3.91	1	A
PCBs, Total	ND		ug/kg	37.8	3.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	41		30-150	B

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 1,8082A  
 Analytical Date: 09/21/20 22:13  
 Analyst: CW

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 19:56  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/21/20  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04,06-10 Batch: WG1412301-1						
Aroclor 1016	ND		ug/kg	33.1	2.94	A
Aroclor 1221	ND		ug/kg	33.1	3.32	A
Aroclor 1232	ND		ug/kg	33.1	7.02	A
Aroclor 1242	ND		ug/kg	33.1	4.46	A
Aroclor 1248	ND		ug/kg	33.1	4.97	A
Aroclor 1254	ND		ug/kg	33.1	3.62	A
Aroclor 1260	ND		ug/kg	33.1	6.12	A
Aroclor 1262	ND		ug/kg	33.1	4.20	A
Aroclor 1268	ND		ug/kg	33.1	3.43	A
PCBs, Total	ND		ug/kg	33.1	2.94	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	56		30-150	B



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

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

Analytical Method: 1,8082A  
Analytical Date: 09/22/20 09:37  
Analyst: CW

Extraction Method: EPA 3546  
Extraction Date: 09/21/20 22:48  
Cleanup Method: EPA 3665A  
Cleanup Date: 09/22/20  
Cleanup Method: EPA 3660B  
Cleanup Date: 09/22/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05,11 Batch: WG1412697-1						
Aroclor 1016	ND		ug/kg	31.9	2.83	A
Aroclor 1221	ND		ug/kg	31.9	3.20	A
Aroclor 1232	ND		ug/kg	31.9	6.76	A
Aroclor 1242	ND		ug/kg	31.9	4.30	A
Aroclor 1248	ND		ug/kg	31.9	4.79	A
Aroclor 1254	ND		ug/kg	31.9	3.49	A
Aroclor 1260	ND		ug/kg	31.9	5.90	A
Aroclor 1262	ND		ug/kg	31.9	4.05	A
Aroclor 1268	ND		ug/kg	31.9	3.30	A
PCBs, Total	ND		ug/kg	31.9	2.83	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	43		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04,06-10 Batch: WG1412301-2 WG1412301-3									
Aroclor 1016	60		60		40-140	0		50	A
Aroclor 1260	55		54		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		59		30-150	A
Decachlorobiphenyl	62		61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		66		30-150	B
Decachlorobiphenyl	77		75		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05,11 Batch: WG1412697-2 WG1412697-3									
Aroclor 1016	70		68		40-140	3		50	A
Aroclor 1260	65		63		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		54		30-150	A
Decachlorobiphenyl	51		47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		52		30-150	B
Decachlorobiphenyl	48		45		30-150	B

# PESTICIDES

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-01  
 Client ID: AT5596CECS-01 BORINGS: 5,6,8  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/23/20 11:20  
 Analyst: BM  
 Percent Solids: 82%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 17:56  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.770	0.344	1	A
Alpha-BHC	ND		ug/kg	0.770	0.218	1	A
Beta-BHC	ND		ug/kg	1.85	0.700	1	A
Heptachlor	ND		ug/kg	0.923	0.414	1	A
Aldrin	ND		ug/kg	1.85	0.650	1	A
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1	A
Endrin	ND		ug/kg	0.770	0.316	1	A
Endrin aldehyde	ND		ug/kg	2.31	0.808	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	ND		ug/kg	1.15	0.577	1	A
4,4'-DDE	ND		ug/kg	1.85	0.427	1	A
4,4'-DDD	ND		ug/kg	1.85	0.659	1	B
4,4'-DDT	ND		ug/kg	3.46	1.48	1	A
Endosulfan I	ND		ug/kg	1.85	0.436	1	A
Endosulfan II	ND		ug/kg	1.85	0.617	1	A
Endosulfan sulfate	ND		ug/kg	0.770	0.366	1	A
Methoxychlor	ND		ug/kg	3.46	1.08	1	A
Toxaphene	ND		ug/kg	34.6	9.70	1	A
cis-Chlordane	ND		ug/kg	2.31	0.643	1	A
trans-Chlordane	1.22	JIP	ug/kg	2.31	0.609	1	A
Chlordane	ND		ug/kg	15.4	6.12	1	A

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-01  
 Client ID: AT5596CECS-01 BORINGS: 5,6,8  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	162	Q	30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	114		30-150	B

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039249-02  
 Client ID: AT5596CECS-02 BORINGS: 10,11,12  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/23/20 11:31  
 Analyst: BM  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 17:56  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.93	0.378	1	A
Lindane	ND		ug/kg	0.805	0.360	1	A
Alpha-BHC	ND		ug/kg	0.805	0.229	1	A
Beta-BHC	ND		ug/kg	1.93	0.733	1	A
Heptachlor	ND		ug/kg	0.966	0.433	1	A
Aldrin	ND		ug/kg	1.93	0.680	1	A
Heptachlor epoxide	ND		ug/kg	3.62	1.09	1	A
Endrin	ND		ug/kg	0.805	0.330	1	A
Endrin aldehyde	ND		ug/kg	2.42	0.846	1	A
Endrin ketone	ND		ug/kg	1.93	0.498	1	A
Dieldrin	0.972	J	ug/kg	1.21	0.604	1	B
4,4'-DDE	1.60	J	ug/kg	1.93	0.447	1	A
4,4'-DDD	5.92		ug/kg	1.93	0.689	1	B
4,4'-DDT	2.02	J	ug/kg	3.62	1.55	1	A
Endosulfan I	ND		ug/kg	1.93	0.456	1	A
Endosulfan II	ND		ug/kg	1.93	0.646	1	A
Endosulfan sulfate	ND		ug/kg	0.805	0.383	1	A
Methoxychlor	ND		ug/kg	3.62	1.13	1	A
Toxaphene	ND		ug/kg	36.2	10.1	1	A
cis-Chlordane	ND		ug/kg	2.42	0.673	1	A
trans-Chlordane	1.35	JIP	ug/kg	2.42	0.638	1	A
Chlordane	ND		ug/kg	16.1	6.40	1	A

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-02  
 Client ID: AT5596CECS-02 BORINGS: 10,11,12  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	237	Q	30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	121		30-150	B



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-03  
 Client ID: AT5596CECS-03 BORINGS: 13,15,16  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/23/20 11:43  
 Analyst: BM  
 Percent Solids: 81%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 17:56  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.377	1	A
Lindane	ND		ug/kg	0.802	0.358	1	A
Alpha-BHC	ND		ug/kg	0.802	0.228	1	A
Beta-BHC	ND		ug/kg	1.92	0.730	1	A
Heptachlor	ND		ug/kg	0.962	0.431	1	A
Aldrin	ND		ug/kg	1.92	0.678	1	A
Heptachlor epoxide	ND		ug/kg	3.61	1.08	1	A
Endrin	ND		ug/kg	0.802	0.329	1	A
Endrin aldehyde	ND		ug/kg	2.40	0.842	1	A
Endrin ketone	ND		ug/kg	1.92	0.495	1	A
Dieldrin	ND		ug/kg	1.20	0.601	1	A
4,4'-DDE	ND		ug/kg	1.92	0.445	1	A
4,4'-DDD	0.828	J	ug/kg	1.92	0.686	1	A
4,4'-DDT	ND		ug/kg	3.61	1.55	1	A
Endosulfan I	ND		ug/kg	1.92	0.455	1	A
Endosulfan II	ND		ug/kg	1.92	0.643	1	A
Endosulfan sulfate	ND		ug/kg	0.802	0.382	1	A
Methoxychlor	ND		ug/kg	3.61	1.12	1	A
Toxaphene	ND		ug/kg	36.1	10.1	1	A
cis-Chlordane	ND		ug/kg	2.40	0.670	1	A
trans-Chlordane	0.729	JIP	ug/kg	2.40	0.635	1	A
Chlordane	ND		ug/kg	16.0	6.37	1	A

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-03  
 Client ID: AT5596CECS-03 BORINGS: 13,15,16  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	143		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	99		30-150	B

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-04  
 Client ID: AT5596CECS-04 BORINGS: 17,18,19  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/23/20 11:54  
 Analyst: BM  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 17:56  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.91	0.374	1	A
Lindane	ND		ug/kg	0.796	0.356	1	A
Alpha-BHC	ND		ug/kg	0.796	0.226	1	A
Beta-BHC	ND		ug/kg	1.91	0.724	1	A
Heptachlor	ND		ug/kg	0.955	0.428	1	A
Aldrin	ND		ug/kg	1.91	0.673	1	A
Heptachlor epoxide	ND		ug/kg	3.58	1.07	1	A
Endrin	ND		ug/kg	0.796	0.326	1	A
Endrin aldehyde	ND		ug/kg	2.39	0.836	1	A
Endrin ketone	ND		ug/kg	1.91	0.492	1	A
Dieldrin	ND		ug/kg	1.19	0.597	1	A
4,4'-DDE	ND		ug/kg	1.91	0.442	1	A
4,4'-DDD	ND		ug/kg	1.91	0.682	1	A
4,4'-DDT	ND		ug/kg	3.58	1.54	1	A
Endosulfan I	ND		ug/kg	1.91	0.451	1	A
Endosulfan II	ND		ug/kg	1.91	0.638	1	A
Endosulfan sulfate	ND		ug/kg	0.796	0.379	1	A
Methoxychlor	ND		ug/kg	3.58	1.11	1	A
Toxaphene	ND		ug/kg	35.8	10.0	1	A
cis-Chlordane	ND		ug/kg	2.39	0.666	1	A
trans-Chlordane	ND		ug/kg	2.39	0.631	1	A
Chlordane	ND		ug/kg	15.9	6.33	1	A

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-04

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-04 BORINGS: 17,18,19

Date Received: 09/18/20

Sample Location: GLENMONT, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	121		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	108		30-150	B

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039249-05  
 Client ID: AT5596CECS-05 BORINGS: 21,22,23  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/23/20 12:05  
 Analyst: BM  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 17:56  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.755	0.337	1	A
Alpha-BHC	ND		ug/kg	0.755	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.687	1	A
Heptachlor	ND		ug/kg	0.906	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.755	0.309	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.792	1	A
Endrin ketone	ND		ug/kg	1.81	0.466	1	A
Dieldrin	ND		ug/kg	1.13	0.566	1	A
4,4'-DDE	0.683	J	ug/kg	1.81	0.419	1	A
4,4'-DDD	ND		ug/kg	1.81	0.646	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.605	1	A
Endosulfan sulfate	ND		ug/kg	0.755	0.359	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.51	1	A
cis-Chlordane	ND		ug/kg	2.26	0.631	1	A
trans-Chlordane	2.01	JIP	ug/kg	2.26	0.598	1	A
Chlordane	ND		ug/kg	15.1	6.00	1	A

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039249-05  
 Client ID: AT5596CECS-05 BORINGS: 21,22,23  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	1120	Q	30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	110		30-150	B

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-06  
 Client ID: AT5596CECS-06 BORINGS: 24,25  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/23/20 12:17  
 Analyst: SM  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 17:56  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.92	0.376	1	A
Lindane	ND		ug/kg	0.801	0.358	1	A
Alpha-BHC	ND		ug/kg	0.801	0.228	1	A
Beta-BHC	ND		ug/kg	1.92	0.729	1	A
Heptachlor	ND		ug/kg	0.961	0.431	1	A
Aldrin	ND		ug/kg	1.92	0.677	1	A
Heptachlor epoxide	ND		ug/kg	3.60	1.08	1	A
Endrin	ND		ug/kg	0.801	0.328	1	A
Endrin aldehyde	ND		ug/kg	2.40	0.841	1	A
Endrin ketone	ND		ug/kg	1.92	0.495	1	A
Dieldrin	ND		ug/kg	1.20	0.601	1	A
4,4'-DDE	ND		ug/kg	1.92	0.445	1	A
4,4'-DDD	ND		ug/kg	1.92	0.686	1	A
4,4'-DDT	ND		ug/kg	3.60	1.55	1	A
Endosulfan I	ND		ug/kg	1.92	0.454	1	A
Endosulfan II	ND		ug/kg	1.92	0.642	1	A
Endosulfan sulfate	ND		ug/kg	0.801	0.381	1	A
Methoxychlor	ND		ug/kg	3.60	1.12	1	A
Toxaphene	ND		ug/kg	36.0	10.1	1	A
cis-Chlordane	ND		ug/kg	2.40	0.670	1	A
trans-Chlordane	ND		ug/kg	2.40	0.634	1	A
Chlordane	ND		ug/kg	16.0	6.37	1	A

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-06  
 Client ID: AT5596CECS-06 BORINGS: 24,25  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	101		30-150	B



**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-07  
 Client ID: AT5596CECS-07 BORINGS: 26,27  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/23/20 12:28  
 Analyst: SM  
 Percent Solids: 82%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 17:56  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.92	0.376	1	A
Lindane	ND		ug/kg	0.799	0.357	1	A
Alpha-BHC	ND		ug/kg	0.799	0.227	1	A
Beta-BHC	ND		ug/kg	1.92	0.727	1	A
Heptachlor	ND		ug/kg	0.959	0.430	1	A
Aldrin	ND		ug/kg	1.92	0.675	1	A
Heptachlor epoxide	ND		ug/kg	3.60	1.08	1	A
Endrin	ND		ug/kg	0.799	0.328	1	A
Endrin aldehyde	ND		ug/kg	2.40	0.839	1	A
Endrin ketone	ND		ug/kg	1.92	0.494	1	A
Dieldrin	ND		ug/kg	1.20	0.599	1	A
4,4'-DDE	ND		ug/kg	1.92	0.443	1	A
4,4'-DDD	ND		ug/kg	1.92	0.684	1	A
4,4'-DDT	ND		ug/kg	3.60	1.54	1	A
Endosulfan I	ND		ug/kg	1.92	0.453	1	A
Endosulfan II	ND		ug/kg	1.92	0.641	1	A
Endosulfan sulfate	ND		ug/kg	0.799	0.380	1	A
Methoxychlor	ND		ug/kg	3.60	1.12	1	A
Toxaphene	ND		ug/kg	36.0	10.1	1	A
cis-Chlordane	ND		ug/kg	2.40	0.668	1	A
trans-Chlordane	ND		ug/kg	2.40	0.633	1	A
Chlordane	ND		ug/kg	16.0	6.35	1	A

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-07  
 Client ID: AT5596CECS-07 BORINGS: 26,27  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	139		30-150	A
Decachlorobiphenyl	116		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	116		30-150	B

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-08  
 Client ID: AT5596CECS-08 BORINGS: 28,29  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/23/20 12:39  
 Analyst: SM  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 17:56  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.74	0.342	1	A
Lindane	ND		ug/kg	0.727	0.325	1	A
Alpha-BHC	ND		ug/kg	0.727	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.662	1	A
Heptachlor	ND		ug/kg	0.872	0.391	1	A
Aldrin	ND		ug/kg	1.74	0.614	1	A
Heptachlor epoxide	ND		ug/kg	3.27	0.982	1	A
Endrin	ND		ug/kg	0.727	0.298	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.763	1	A
Endrin ketone	ND		ug/kg	1.74	0.449	1	A
Dieldrin	ND		ug/kg	1.09	0.545	1	A
4,4'-DDE	ND		ug/kg	1.74	0.404	1	A
4,4'-DDD	ND		ug/kg	1.74	0.622	1	A
4,4'-DDT	ND		ug/kg	3.27	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.412	1	A
Endosulfan II	ND		ug/kg	1.74	0.583	1	A
Endosulfan sulfate	ND		ug/kg	0.727	0.346	1	A
Methoxychlor	ND		ug/kg	3.27	1.02	1	A
Toxaphene	ND		ug/kg	32.7	9.16	1	A
cis-Chlordane	ND		ug/kg	2.18	0.608	1	A
trans-Chlordane	ND		ug/kg	2.18	0.576	1	A
Chlordane	ND		ug/kg	14.5	5.78	1	A

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039249-08  
 Client ID: AT5596CECS-08 BORINGS: 28,29  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	133		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	107		30-150	B

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-09  
 Client ID: AT5596CECS-09 BORINGS: 41,43  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/23/20 12:51  
 Analyst: SM  
 Percent Solids: 80%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 17:56  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.88	0.368	1	A
Lindane	ND		ug/kg	0.783	0.350	1	A
Alpha-BHC	ND		ug/kg	0.783	0.222	1	A
Beta-BHC	ND		ug/kg	1.88	0.713	1	A
Heptachlor	ND		ug/kg	0.940	0.421	1	A
Aldrin	ND		ug/kg	1.88	0.662	1	A
Heptachlor epoxide	ND		ug/kg	3.52	1.06	1	A
Endrin	ND		ug/kg	0.783	0.321	1	A
Endrin aldehyde	ND		ug/kg	2.35	0.822	1	A
Endrin ketone	ND		ug/kg	1.88	0.484	1	A
Dieldrin	ND		ug/kg	1.17	0.587	1	A
4,4'-DDE	7.24	P	ug/kg	1.88	0.435	1	A
4,4'-DDD	6.72		ug/kg	1.88	0.670	1	A
4,4'-DDT	2.42	J	ug/kg	3.52	1.51	1	A
Endosulfan I	ND		ug/kg	1.88	0.444	1	A
Endosulfan II	ND		ug/kg	1.88	0.628	1	A
Endosulfan sulfate	ND		ug/kg	0.783	0.373	1	A
Methoxychlor	ND		ug/kg	3.52	1.10	1	A
Toxaphene	ND		ug/kg	35.2	9.87	1	A
cis-Chlordane	ND		ug/kg	2.35	0.655	1	A
trans-Chlordane	ND		ug/kg	2.35	0.620	1	A
Chlordane	ND		ug/kg	15.7	6.23	1	A

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-09  
 Client ID: AT5596CECS-09 BORINGS: 41,43  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	6650	Q	30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-10  
 Client ID: AT5596CECS-11 BORINGS: 30,31  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/23/20 13:02  
 Analyst: SM  
 Percent Solids: 87%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/20 17:56  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.350	1	A
Lindane	ND		ug/kg	0.745	0.333	1	A
Alpha-BHC	ND		ug/kg	0.745	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.678	1	A
Heptachlor	ND		ug/kg	0.894	0.401	1	A
Aldrin	ND		ug/kg	1.79	0.630	1	A
Heptachlor epoxide	ND		ug/kg	3.35	1.00	1	A
Endrin	ND		ug/kg	0.745	0.305	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.782	1	A
Endrin ketone	ND		ug/kg	1.79	0.460	1	A
Dieldrin	ND		ug/kg	1.12	0.559	1	A
4,4'-DDE	ND		ug/kg	1.79	0.414	1	A
4,4'-DDD	ND		ug/kg	1.79	0.638	1	A
4,4'-DDT	ND		ug/kg	3.35	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.422	1	A
Endosulfan II	ND		ug/kg	1.79	0.598	1	A
Endosulfan sulfate	ND		ug/kg	0.745	0.355	1	A
Methoxychlor	ND		ug/kg	3.35	1.04	1	A
Toxaphene	ND		ug/kg	33.5	9.39	1	A
cis-Chlordane	ND		ug/kg	2.24	0.623	1	A
trans-Chlordane	ND		ug/kg	2.24	0.590	1	A
Chlordane	ND		ug/kg	14.9	5.92	1	A

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-10  
 Client ID: AT5596CECS-11 BORINGS: 30,31  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	94		30-150	B



**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-11  
 Client ID: AT5596CECS-10 BORINGS: 44,45  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/23/20 08:45  
 Analyst: SM  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 09/22/20 13:24  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.84	0.360	1	A
Lindane	ND		ug/kg	0.765	0.342	1	A
Alpha-BHC	ND		ug/kg	0.765	0.217	1	A
Beta-BHC	ND		ug/kg	1.84	0.696	1	A
Heptachlor	ND		ug/kg	0.918	0.412	1	A
Aldrin	ND		ug/kg	1.84	0.647	1	A
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1	A
Endrin	ND		ug/kg	0.765	0.314	1	A
Endrin aldehyde	ND		ug/kg	2.30	0.804	1	A
Endrin ketone	ND		ug/kg	1.84	0.473	1	A
Dieldrin	ND		ug/kg	1.15	0.574	1	A
4,4'-DDE	ND		ug/kg	1.84	0.425	1	A
4,4'-DDD	ND		ug/kg	1.84	0.655	1	A
4,4'-DDT	ND		ug/kg	3.44	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.434	1	A
Endosulfan II	ND		ug/kg	1.84	0.614	1	A
Endosulfan sulfate	ND		ug/kg	0.765	0.364	1	A
Methoxychlor	ND		ug/kg	3.44	1.07	1	A
Toxaphene	ND		ug/kg	34.4	9.64	1	A
cis-Chlordane	ND		ug/kg	2.30	0.640	1	A
trans-Chlordane	ND		ug/kg	2.30	0.606	1	A
Chlordane	ND		ug/kg	15.3	6.08	1	A

**Project Name:** BEACON ISLAND**Lab Number:** L2039249**Project Number:** AT5596**Report Date:** 09/25/20**SAMPLE RESULTS**

Lab ID: L2039249-11  
 Client ID: AT5596CECS-10 BORINGS: 44,45  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	65		30-150	B

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

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

Analytical Method: 1,8081B  
Analytical Date: 09/23/20 10:46  
Analyst: SM

Extraction Method: EPA 3546  
Extraction Date: 09/20/20 17:56  
Cleanup Method: EPA 3620B  
Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-10 Batch: WG1412292-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.284	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.761	0.341	A
Aldrin	ND		ug/kg	1.52	0.536	A
Heptachlor epoxide	ND		ug/kg	2.86	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.666	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.952	0.476	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.543	A
4,4'-DDT	ND		ug/kg	2.86	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.360	A
Endosulfan II	ND		ug/kg	1.52	0.509	A
Endosulfan sulfate	ND		ug/kg	0.634	0.302	A
Methoxychlor	ND		ug/kg	2.86	0.888	A
Toxaphene	ND		ug/kg	28.6	7.99	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.7	5.04	A

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

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

Analytical Method: 1,8081B  
Analytical Date: 09/23/20 10:46  
Analyst: SM

Extraction Method: EPA 3546  
Extraction Date: 09/20/20 17:56  
Cleanup Method: EPA 3620B  
Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-10 Batch: WG1412292-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	120		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	128		30-150	B

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

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

Analytical Method: 1,8081B  
Analytical Date: 09/23/20 08:06  
Analyst: BM

Extraction Method: EPA 3546  
Extraction Date: 09/22/20 13:24  
Cleanup Method: EPA 3620B  
Cleanup Date: 09/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 11 Batch: WG1413011-1						
Delta-BHC	ND		ug/kg	1.57	0.308	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.596	A
Heptachlor	ND		ug/kg	0.785	0.352	A
Aldrin	ND		ug/kg	1.57	0.553	A
Heptachlor epoxide	ND		ug/kg	2.94	0.884	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.687	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.982	0.491	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.560	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.371	A
Endosulfan II	ND		ug/kg	1.57	0.525	A
Endosulfan sulfate	ND		ug/kg	0.654	0.312	A
Methoxychlor	ND		ug/kg	2.94	0.916	A
Toxaphene	ND		ug/kg	29.4	8.25	A
cis-Chlordane	ND		ug/kg	1.96	0.547	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	13.1	5.20	A

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

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

Analytical Method: 1,8081B  
Analytical Date: 09/23/20 08:06  
Analyst: BM

Extraction Method: EPA 3546  
Extraction Date: 09/22/20 13:24  
Cleanup Method: EPA 3620B  
Cleanup Date: 09/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 11 Batch: WG1413011-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	57		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039249

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-10 Batch: WG1412292-2 WG1412292-3									
Delta-BHC	67		72		30-150	7		30	A
Lindane	67		74		30-150	10		30	A
Alpha-BHC	74		82		30-150	10		30	A
Beta-BHC	82		85		30-150	4		30	A
Heptachlor	66		74		30-150	11		30	A
Aldrin	68		72		30-150	6		30	A
Heptachlor epoxide	62		70		30-150	12		30	A
Endrin	66		75		30-150	13		30	A
Endrin aldehyde	45		55		30-150	20		30	A
Endrin ketone	54		58		30-150	7		30	A
Dieldrin	67		75		30-150	11		30	A
4,4'-DDE	63		72		30-150	13		30	A
4,4'-DDD	66		75		30-150	13		30	A
4,4'-DDT	66		74		30-150	11		30	A
Endosulfan I	76		85		30-150	11		30	A
Endosulfan II	56		65		30-150	15		30	A
Endosulfan sulfate	48		54		30-150	12		30	A
Methoxychlor	74		81		30-150	9		30	A
cis-Chlordane	72		78		30-150	8		30	A
trans-Chlordane	71		83		30-150	16		30	A

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039249

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-10 Batch: WG1412292-2 WG1412292-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		103		30-150	A
Decachlorobiphenyl	93		101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		76		30-150	B
Decachlorobiphenyl	99		98		30-150	B



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039249

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 11 Batch: WG1413011-2 WG1413011-3									
Delta-BHC	72		70		30-150	3		30	A
Lindane	67		67		30-150	0		30	A
Alpha-BHC	71		70		30-150	1		30	A
Beta-BHC	66		68		30-150	3		30	A
Heptachlor	67		66		30-150	2		30	A
Aldrin	68		68		30-150	0		30	A
Heptachlor epoxide	64		64		30-150	0		30	A
Endrin	66		65		30-150	2		30	A
Endrin aldehyde	54		47		30-150	14		30	A
Endrin ketone	62		59		30-150	5		30	A
Dieldrin	68		67		30-150	1		30	A
4,4'-DDE	66		68		30-150	3		30	A
4,4'-DDD	72		71		30-150	1		30	A
4,4'-DDT	69		68		30-150	1		30	A
Endosulfan I	60		62		30-150	3		30	A
Endosulfan II	62		62		30-150	0		30	A
Endosulfan sulfate	56		55		30-150	2		30	A
Methoxychlor	65		64		30-150	2		30	A
cis-Chlordane	58		61		30-150	5		30	A
trans-Chlordane	63		62		30-150	2		30	A

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

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
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 11 Batch: WG1413011-2 WG1413011-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	74		72		30-150	A
Decachlorobiphenyl	63		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		71		30-150	B
Decachlorobiphenyl	65		59		30-150	B

## METALS

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-01

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-01 BORINGS: 5,6,8

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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>Total Metals - Mansfield Lab</b>											
Aluminum, Total	6650		mg/kg	9.19	2.48	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Antimony, Total	0.432	J	mg/kg	4.60	0.349	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Arsenic, Total	7.02		mg/kg	0.919	0.191	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Barium, Total	71.6		mg/kg	0.919	0.160	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Beryllium, Total	0.432	J	mg/kg	0.460	0.030	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.919	0.090	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Calcium, Total	5840		mg/kg	9.19	3.22	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Chromium, Total	9.96		mg/kg	0.919	0.088	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Cobalt, Total	6.32		mg/kg	1.84	0.152	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Copper, Total	15.1		mg/kg	0.919	0.237	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Iron, Total	16300		mg/kg	4.60	0.830	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Lead, Total	7.87		mg/kg	4.60	0.246	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Magnesium, Total	4060		mg/kg	9.19	1.42	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Manganese, Total	186		mg/kg	0.919	0.146	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.076	0.050	1	09/24/20 08:35	09/24/20 17:50	EPA 7471B	1,7471B	AL
Nickel, Total	13.1		mg/kg	2.30	0.222	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Potassium, Total	428		mg/kg	230	13.2	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.84	0.237	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.919	0.260	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Sodium, Total	104	J	mg/kg	184	2.90	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.84	0.290	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Vanadium, Total	14.9		mg/kg	0.919	0.186	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV
Zinc, Total	38.9		mg/kg	4.60	0.269	2	09/24/20 08:00	09/24/20 19:02	EPA 3050B	1,6010D	BV



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-02

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-02 BORINGS: 10,11,12

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8720		mg/kg	9.47	2.56	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Antimony, Total	0.928	J	mg/kg	4.74	0.360	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Arsenic, Total	16.4		mg/kg	0.947	0.197	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Barium, Total	180		mg/kg	0.947	0.165	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Beryllium, Total	0.701		mg/kg	0.474	0.031	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.947	0.093	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Calcium, Total	5380		mg/kg	9.47	3.32	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Chromium, Total	13.1		mg/kg	0.947	0.091	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Cobalt, Total	5.87		mg/kg	1.89	0.157	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Copper, Total	24.9		mg/kg	0.947	0.244	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Iron, Total	24000		mg/kg	4.74	0.855	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Lead, Total	12.7		mg/kg	4.74	0.254	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Magnesium, Total	2350		mg/kg	9.47	1.46	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Manganese, Total	127		mg/kg	0.947	0.151	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.079	0.052	1	09/24/20 08:35	09/24/20 17:52	EPA 7471B	1,7471B	AL
Nickel, Total	20.7		mg/kg	2.37	0.229	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Potassium, Total	701		mg/kg	237	13.6	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Selenium, Total	1.03	J	mg/kg	1.89	0.244	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.947	0.268	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Sodium, Total	260		mg/kg	189	2.98	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Thallium, Total	0.312	J	mg/kg	1.89	0.298	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Vanadium, Total	53.0		mg/kg	0.947	0.192	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV
Zinc, Total	34.8		mg/kg	4.74	0.278	2	09/24/20 08:00	09/24/20 19:06	EPA 3050B	1,6010D	BV



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-03

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-03 BORINGS: 13,15,16

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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>Total Metals - Mansfield Lab</b>											
Aluminum, Total	9590		mg/kg	9.24	2.50	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Antimony, Total	0.508	J	mg/kg	4.62	0.351	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Arsenic, Total	6.69		mg/kg	0.924	0.192	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Barium, Total	119		mg/kg	0.924	0.161	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Beryllium, Total	0.592		mg/kg	0.462	0.031	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.924	0.091	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Calcium, Total	5430		mg/kg	9.24	3.24	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Chromium, Total	13.4		mg/kg	0.924	0.089	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Cobalt, Total	6.36		mg/kg	1.85	0.153	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Copper, Total	30.3		mg/kg	0.924	0.238	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Iron, Total	22800		mg/kg	4.62	0.835	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Lead, Total	8.68		mg/kg	4.62	0.248	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Magnesium, Total	2760		mg/kg	9.24	1.42	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Manganese, Total	204		mg/kg	0.924	0.147	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.077	0.050	1	09/24/20 08:35	09/24/20 17:58	EPA 7471B	1,7471B	AL
Nickel, Total	30.2		mg/kg	2.31	0.224	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Potassium, Total	669		mg/kg	231	13.3	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Selenium, Total	0.240	J	mg/kg	1.85	0.238	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.924	0.262	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Sodium, Total	237		mg/kg	185	2.91	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.85	0.291	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Vanadium, Total	94.4		mg/kg	0.924	0.188	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV
Zinc, Total	56.4		mg/kg	4.62	0.271	2	09/24/20 08:00	09/24/20 19:10	EPA 3050B	1,6010D	BV



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-04

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-04 BORINGS: 17,18,19

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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>Total Metals - Mansfield Lab</b>											
Aluminum, Total	6920		mg/kg	9.37	2.53	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Antimony, Total	0.365	J	mg/kg	4.68	0.356	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Arsenic, Total	9.68		mg/kg	0.937	0.195	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Barium, Total	74.7		mg/kg	0.937	0.163	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Beryllium, Total	0.272	J	mg/kg	0.468	0.031	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.937	0.092	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Calcium, Total	6650		mg/kg	9.37	3.28	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Chromium, Total	10.6		mg/kg	0.937	0.090	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Cobalt, Total	6.96		mg/kg	1.87	0.156	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Copper, Total	13.6		mg/kg	0.937	0.242	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Iron, Total	21300		mg/kg	4.68	0.846	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Lead, Total	9.82		mg/kg	4.68	0.251	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Magnesium, Total	3810		mg/kg	9.37	1.44	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Manganese, Total	384		mg/kg	0.937	0.149	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Mercury, Total	0.072	J	mg/kg	0.078	0.051	1	09/24/20 08:35	09/24/20 18:00	EPA 7471B	1,7471B	AL
Nickel, Total	74.1		mg/kg	2.34	0.227	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Potassium, Total	620		mg/kg	234	13.5	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Selenium, Total	0.496	J	mg/kg	1.87	0.242	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.937	0.265	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Sodium, Total	126	J	mg/kg	187	2.95	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.87	0.295	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Vanadium, Total	586		mg/kg	0.937	0.190	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV
Zinc, Total	42.7		mg/kg	4.68	0.274	2	09/24/20 08:00	09/24/20 19:15	EPA 3050B	1,6010D	BV



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-05

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-05 BORINGS: 21,22,23

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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>Total Metals - Mansfield Lab</b>											
Aluminum, Total	7560		mg/kg	9.30	2.51	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Antimony, Total	0.353	J	mg/kg	4.65	0.353	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Arsenic, Total	11.7		mg/kg	0.930	0.193	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Barium, Total	146		mg/kg	0.930	0.162	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Beryllium, Total	0.586		mg/kg	0.465	0.031	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.930	0.091	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Calcium, Total	4100		mg/kg	9.30	3.25	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Chromium, Total	12.9		mg/kg	0.930	0.089	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Cobalt, Total	5.82		mg/kg	1.86	0.154	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Copper, Total	13.7		mg/kg	0.930	0.240	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Iron, Total	15300		mg/kg	4.65	0.840	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Lead, Total	12.5		mg/kg	4.65	0.249	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Magnesium, Total	2740		mg/kg	9.30	1.43	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Manganese, Total	188		mg/kg	0.930	0.148	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.075	0.049	1	09/24/20 08:35	09/24/20 18:02	EPA 7471B	1,7471B	AL
Nickel, Total	13.9		mg/kg	2.32	0.225	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Potassium, Total	596		mg/kg	232	13.4	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Selenium, Total	0.325	J	mg/kg	1.86	0.240	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.930	0.263	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Sodium, Total	176	J	mg/kg	186	2.93	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.86	0.293	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Vanadium, Total	26.6		mg/kg	0.930	0.189	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV
Zinc, Total	33.3		mg/kg	4.65	0.272	2	09/24/20 08:00	09/24/20 19:19	EPA 3050B	1,6010D	BV





Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-06

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-06 BORINGS: 24,25

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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>Total Metals - Mansfield Lab</b>											
Aluminum, Total	10900		mg/kg	9.52	2.57	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Antimony, Total	0.819	J	mg/kg	4.76	0.362	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Arsenic, Total	3.54		mg/kg	0.952	0.198	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Barium, Total	77.6		mg/kg	0.952	0.166	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Beryllium, Total	0.647		mg/kg	0.476	0.031	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.952	0.093	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Calcium, Total	3090		mg/kg	9.52	3.33	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Chromium, Total	14.9		mg/kg	0.952	0.091	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Cobalt, Total	7.17		mg/kg	1.90	0.158	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Copper, Total	12.3		mg/kg	0.952	0.246	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Iron, Total	22000		mg/kg	4.76	0.860	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Lead, Total	9.26		mg/kg	4.76	0.255	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Magnesium, Total	3850		mg/kg	9.52	1.47	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Manganese, Total	261		mg/kg	0.952	0.151	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.080	0.052	1	09/24/20 08:35	09/24/20 18:04	EPA 7471B	1,7471B	AL
Nickel, Total	18.8		mg/kg	2.38	0.230	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Potassium, Total	477		mg/kg	238	13.7	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.90	0.246	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.952	0.269	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Sodium, Total	44.3	J	mg/kg	190	3.00	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.90	0.300	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Vanadium, Total	20.1		mg/kg	0.952	0.193	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV
Zinc, Total	66.2		mg/kg	4.76	0.279	2	09/24/20 08:00	09/24/20 19:23	EPA 3050B	1,6010D	BV



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-07

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-07 BORINGS: 26,27

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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>Total Metals - Mansfield Lab</b>											
Aluminum, Total	8490		mg/kg	9.45	2.55	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Antimony, Total	0.936	J	mg/kg	4.72	0.359	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Arsenic, Total	4.90		mg/kg	0.945	0.196	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Barium, Total	71.8		mg/kg	0.945	0.164	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Beryllium, Total	0.501		mg/kg	0.472	0.031	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.945	0.093	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Calcium, Total	6950		mg/kg	9.45	3.31	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Chromium, Total	12.4		mg/kg	0.945	0.091	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Cobalt, Total	8.34		mg/kg	1.89	0.157	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Copper, Total	20.2		mg/kg	0.945	0.244	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Iron, Total	19400		mg/kg	4.72	0.853	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Lead, Total	10.0		mg/kg	4.72	0.253	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Magnesium, Total	4390		mg/kg	9.45	1.46	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Manganese, Total	311		mg/kg	0.945	0.150	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.076	0.050	1	09/24/20 08:35	09/24/20 18:06	EPA 7471B	1,7471B	AL
Nickel, Total	22.0		mg/kg	2.36	0.229	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Potassium, Total	550		mg/kg	236	13.6	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Selenium, Total	0.463	J	mg/kg	1.89	0.244	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.945	0.267	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Sodium, Total	70.0	J	mg/kg	189	2.98	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.89	0.298	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Vanadium, Total	35.4		mg/kg	0.945	0.192	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV
Zinc, Total	53.6		mg/kg	4.72	0.277	2	09/24/20 08:00	09/24/20 19:28	EPA 3050B	1,6010D	BV



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-08

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-08 BORINGS: 28,29

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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>Total Metals - Mansfield Lab</b>											
Aluminum, Total	6520		mg/kg	8.89	2.40	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Antimony, Total	1.12	J	mg/kg	4.44	0.338	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Arsenic, Total	5.04		mg/kg	0.889	0.185	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Barium, Total	51.4		mg/kg	0.889	0.155	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Beryllium, Total	0.338	J	mg/kg	0.444	0.029	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.889	0.087	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Calcium, Total	3940		mg/kg	8.89	3.11	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Chromium, Total	12.1		mg/kg	0.889	0.085	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Cobalt, Total	7.72		mg/kg	1.78	0.148	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Copper, Total	19.4		mg/kg	0.889	0.229	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Iron, Total	16600		mg/kg	4.44	0.802	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Lead, Total	19.0		mg/kg	4.44	0.238	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Magnesium, Total	4070		mg/kg	8.89	1.37	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Manganese, Total	347		mg/kg	0.889	0.141	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Mercury, Total	0.077		mg/kg	0.072	0.047	1	09/24/20 08:35	09/24/20 18:08	EPA 7471B	1,7471B	AL
Nickel, Total	15.0		mg/kg	2.22	0.215	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Potassium, Total	409		mg/kg	222	12.8	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Selenium, Total	0.382	J	mg/kg	1.78	0.229	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.889	0.251	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Sodium, Total	37.1	J	mg/kg	178	2.80	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Thallium, Total	0.284	J	mg/kg	1.78	0.280	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Vanadium, Total	13.7		mg/kg	0.889	0.180	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV
Zinc, Total	55.6		mg/kg	4.44	0.260	2	09/24/20 08:00	09/24/20 19:32	EPA 3050B	1,6010D	BV



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-09

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-09 BORINGS: 41,43

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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>Total Metals - Mansfield Lab</b>											
Aluminum, Total	12700		mg/kg	9.92	2.68	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Antimony, Total	0.714	J	mg/kg	4.96	0.377	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Arsenic, Total	6.99		mg/kg	0.992	0.206	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Barium, Total	93.6		mg/kg	0.992	0.173	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Beryllium, Total	0.655		mg/kg	0.496	0.033	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.992	0.097	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Calcium, Total	26900		mg/kg	9.92	3.47	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Chromium, Total	17.3		mg/kg	0.992	0.095	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Cobalt, Total	11.8		mg/kg	1.98	0.165	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Copper, Total	28.5		mg/kg	0.992	0.256	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Iron, Total	28800		mg/kg	4.96	0.896	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Lead, Total	14.0		mg/kg	4.96	0.266	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Magnesium, Total	9500		mg/kg	9.92	1.53	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Manganese, Total	525		mg/kg	0.992	0.158	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.079	0.051	1	09/24/20 08:35	09/24/20 18:10	EPA 7471B	1,7471B	AL
Nickel, Total	26.2		mg/kg	2.48	0.240	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Potassium, Total	1360		mg/kg	248	14.3	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Selenium, Total	0.278	J	mg/kg	1.98	0.256	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.992	0.281	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Sodium, Total	131	J	mg/kg	198	3.12	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.98	0.312	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Vanadium, Total	22.0		mg/kg	0.992	0.201	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV
Zinc, Total	63.8		mg/kg	4.96	0.291	2	09/24/20 08:00	09/24/20 19:36	EPA 3050B	1,6010D	BV



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-10

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-11 BORINGS: 30,31

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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>Total Metals - Mansfield Lab</b>											
Aluminum, Total	7050		mg/kg	8.91	2.40	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Antimony, Total	0.704	J	mg/kg	4.45	0.338	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Arsenic, Total	3.31		mg/kg	0.891	0.185	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Barium, Total	60.3		mg/kg	0.891	0.155	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Beryllium, Total	0.401	J	mg/kg	0.445	0.029	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.891	0.087	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Calcium, Total	5330		mg/kg	8.91	3.12	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Chromium, Total	10.6		mg/kg	0.891	0.086	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Cobalt, Total	7.54		mg/kg	1.78	0.148	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Copper, Total	15.1		mg/kg	0.891	0.230	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Iron, Total	16500		mg/kg	4.45	0.804	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Lead, Total	11.1		mg/kg	4.45	0.239	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Magnesium, Total	4030		mg/kg	8.91	1.37	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Manganese, Total	296		mg/kg	0.891	0.142	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.072	0.047	1	09/24/20 08:35	09/24/20 18:12	EPA 7471B	1,7471B	AL
Nickel, Total	17.8		mg/kg	2.23	0.216	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Potassium, Total	581		mg/kg	223	12.8	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.78	0.230	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.891	0.252	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Sodium, Total	65.5	J	mg/kg	178	2.80	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.78	0.280	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Vanadium, Total	25.5		mg/kg	0.891	0.181	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV
Zinc, Total	51.2		mg/kg	4.45	0.261	2	09/24/20 08:00	09/24/20 19:49	EPA 3050B	1,6010D	BV



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-11

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-10 BORINGS: 44,45

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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>Total Metals - Mansfield Lab</b>											
Aluminum, Total	6780		mg/kg	9.17	2.48	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Antimony, Total	0.789	J	mg/kg	4.59	0.348	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Arsenic, Total	4.56		mg/kg	0.917	0.191	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Barium, Total	59.9		mg/kg	0.917	0.160	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Beryllium, Total	0.376	J	mg/kg	0.459	0.030	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.917	0.090	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Calcium, Total	5130		mg/kg	9.17	3.21	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Chromium, Total	13.8		mg/kg	0.917	0.088	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Cobalt, Total	6.90		mg/kg	1.83	0.152	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Copper, Total	12.0		mg/kg	0.917	0.237	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Iron, Total	18400		mg/kg	4.59	0.828	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Lead, Total	7.38		mg/kg	4.59	0.246	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Magnesium, Total	3400		mg/kg	9.17	1.41	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Manganese, Total	237		mg/kg	0.917	0.146	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.074	0.048	1	09/24/20 08:35	09/24/20 18:13	EPA 7471B	1,7471B	AL
Nickel, Total	15.0		mg/kg	2.29	0.222	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Potassium, Total	523		mg/kg	229	13.2	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.83	0.237	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.917	0.260	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Sodium, Total	76.7	J	mg/kg	183	2.89	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.83	0.289	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Vanadium, Total	19.3		mg/kg	0.917	0.186	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV
Zinc, Total	43.9		mg/kg	4.59	0.269	2	09/24/20 08:00	09/24/20 19:53	EPA 3050B	1,6010D	BV



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

## Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-11 Batch: WG1413536-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Calcium, Total	1.84	J	mg/kg	4.00	1.40	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Iron, Total	0.812	J	mg/kg	2.00	0.361	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Potassium, Total	ND		mg/kg	100	5.76	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Sodium, Total	2.74	J	mg/kg	80.0	1.26	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/24/20 08:00	09/24/20 16:35	1,6010D	BV

### Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-11 Batch: WG1413538-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/24/20 08:35	09/24/20 17:36	1,7471B	AL



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

## Method Blank Analysis Batch Quality Control

### Prep Information

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Digestion Method: EPA 7471B



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-11 Batch: WG1413536-2 SRM Lot Number: D109-540								
Aluminum, Total	68		-		50-150	-		
Antimony, Total	145		-		19-250	-		
Arsenic, Total	102		-		70-130	-		
Barium, Total	95		-		75-125	-		
Beryllium, Total	99		-		75-125	-		
Cadmium, Total	96		-		75-125	-		
Calcium, Total	98		-		73-128	-		
Chromium, Total	97		-		70-130	-		
Cobalt, Total	97		-		75-125	-		
Copper, Total	100		-		75-125	-		
Iron, Total	89		-		35-165	-		
Lead, Total	99		-		72-128	-		
Magnesium, Total	89		-		62-138	-		
Manganese, Total	91		-		74-126	-		
Nickel, Total	96		-		70-130	-		
Potassium, Total	90		-		59-141	-		
Selenium, Total	103		-		68-132	-		
Silver, Total	101		-		68-131	-		
Sodium, Total	106		-		35-165	-		
Thallium, Total	99		-		68-131	-		
Vanadium, Total	93		-		59-141	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** BEACON ISLAND

**Project Number:** AT5596

**Lab Number:** L2039249

**Report Date:** 09/25/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-11 Batch: WG1413536-2 SRM Lot Number: D109-540					
Zinc, Total	97	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-11 Batch: WG1413538-2 SRM Lot Number: D109-540					
Mercury, Total	91	-	60-140	-	

### Matrix Spike Analysis Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-11    QC Batch ID: WG1413536-3    QC Sample: L2038941-01    Client ID: MS Sample												
Aluminum, Total	9060	158	9850	500	Q	-	-		75-125	-		20
Antimony, Total	ND	39.5	31.2	79		-	-		75-125	-		20
Arsenic, Total	9.99	9.49	22.1	128	Q	-	-		75-125	-		20
Barium, Total	51.0	158	198	93		-	-		75-125	-		20
Beryllium, Total	0.236	3.95	3.67	87		-	-		75-125	-		20
Cadmium, Total	ND	4.03	3.07	76		-	-		75-125	-		20
Calcium, Total	1900	791	2830	118		-	-		75-125	-		20
Chromium, Total	22.6	15.8	33.9	71	Q	-	-		75-125	-		20
Cobalt, Total	8.45	39.5	41.0	82		-	-		75-125	-		20
Copper, Total	20.6	19.8	46.6	132	Q	-	-		75-125	-		20
Iron, Total	12600	79.1	13800	1520	Q	-	-		75-125	-		20
Lead, Total	12.5	40.3	48.6	90		-	-		75-125	-		20
Magnesium, Total	4820	791	5180	46	Q	-	-		75-125	-		20
Manganese, Total	299	39.5	355	142	Q	-	-		75-125	-		20
Nickel, Total	23.1	39.5	53.6	77		-	-		75-125	-		20
Potassium, Total	3350	791	4000	82		-	-		75-125	-		20
Selenium, Total	0.140J	9.49	8.53	90		-	-		75-125	-		20
Silver, Total	ND	23.7	20.4	86		-	-		75-125	-		20
Sodium, Total	199	791	935	93		-	-		75-125	-		20
Thallium, Total	0.136J	9.49	7.69	81		-	-		75-125	-		20
Vanadium, Total	22.2	39.5	55.5	84		-	-		75-125	-		20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** BEACON ISLAND

**Lab Number:** L2039249

**Project Number:** AT5596

**Report Date:** 09/25/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-11    QC Batch ID: WG1413536-3    QC Sample: L2038941-01    Client ID: MS Sample									
Zinc, Total	35.5	39.5	70.6	89	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-11    QC Batch ID: WG1413538-3    QC Sample: L2039634-01    Client ID: MS Sample									
Mercury, Total	0.386	0.143	0.793	284	Q	-	80-120	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039249

Report Date: 09/25/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1413536-4 QC Sample: L2038941-01 Client ID: DUP Sample						
Chromium, Total	22.6	22.7	mg/kg	0		20
Total Metals - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1413538-4 QC Sample: L2039634-01 Client ID: DUP Sample						
Mercury, Total	0.386	1.21	mg/kg	103	Q	20

# **INORGANICS & MISCELLANEOUS**

Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-01

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-01 BORINGS: 5,6,8

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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	-	09/22/20 09:17	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	09/23/20 18:45	09/24/20 11:09	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	0.972	0.194	1	09/20/20 11:38	09/21/20 12:47	1,7196A	DR



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-02

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-02 BORINGS: 10,11,12

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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	79.5		%	0.100	NA	1	-	09/22/20 09:17	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	09/23/20 18:45	09/24/20 11:10	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	1.01	0.201	1	09/20/20 11:38	09/21/20 12:47	1,7196A	DR





Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-03

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-03 BORINGS: 13,15,16

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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	-	09/22/20 09:17	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	09/23/20 18:45	09/24/20 11:11	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	0.985	0.197	1	09/20/20 11:38	09/21/20 12:47	1,7196A	DR



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-04

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-04 BORINGS: 17,18,19

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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	80.2		%	0.100	NA	1	-	09/22/20 09:17	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	09/23/20 18:45	09/24/20 11:12	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	0.998	0.200	1	09/20/20 11:38	09/21/20 12:47	1,7196A	DR



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-05

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-05 BORINGS: 21,22,23

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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	-	09/22/20 09:17	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	09/23/20 18:45	09/24/20 11:13	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	0.954	0.191	1	09/20/20 11:38	09/21/20 12:47	1,7196A	DR



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-06

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-06 BORINGS: 24,25

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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	78.8		%	0.100	NA	1	-	09/22/20 09:17	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	09/23/20 18:45	09/24/20 11:14	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	1.02	0.203	1	09/20/20 11:38	09/21/20 12:47	1,7196A	DR



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-07

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-07 BORINGS: 26,27

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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	-	09/22/20 09:17	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	09/23/20 18:45	09/24/20 11:17	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	0.971	0.194	1	09/20/20 11:38	09/21/20 12:47	1,7196A	DR



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-08

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-08 BORINGS: 28,29

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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	86.5		%	0.100	NA	1	-	09/22/20 09:17	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	09/23/20 18:45	09/24/20 11:44	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	0.925	0.185	1	09/20/20 11:38	09/21/20 12:47	1,7196A	DR



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-09

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-09 BORINGS: 41,43

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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	80.0		%	0.100	NA	1	-	09/22/20 09:17	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	09/23/20 18:45	09/24/20 11:21	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	1.00	0.200	1	09/20/20 11:38	09/21/20 12:47	1,7196A	DR



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-10

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-11 BORINGS: 30,31

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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	-	09/22/20 09:17	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.22	1	09/23/20 18:45	09/24/20 11:22	1,9010C/9012B	AG
Chromium, Hexavalent	ND		mg/kg	0.923	0.184	1	09/20/20 11:38	09/21/20 12:47	1,7196A	DR





Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039249-11

Date Collected: 09/16/20 10:00

Client ID: AT5596CECS-10 BORINGS: 44,45

Date Received: 09/18/20

Sample Location: GLENMONT, NY

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	84.9		%	0.100	NA	1	-	09/22/20 09:17	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	09/23/20 22:40	09/24/20 16:48	1,9010C/9012B	AG
Chromium, Hexavalent	0.306	J	mg/kg	0.942	0.188	1	09/22/20 20:03	09/24/20 13:20	1,7196A	DR



Project Name: BEACON ISLAND

Lab Number: L2039249

Project Number: AT5596

Report Date: 09/25/20

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1412278-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	09/20/20 11:38	09/21/20 12:47	1,7196A	DR
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1413168-1										
Cyanide, Total	ND		mg/kg	0.94	0.20	1	09/23/20 18:45	09/24/20 11:39	1,9010C/9012B	AG
General Chemistry - Westborough Lab for sample(s): 11 Batch: WG1413187-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	09/22/20 20:03	09/24/20 13:20	1,7196A	DR
General Chemistry - Westborough Lab for sample(s): 11 Batch: WG1413211-1										
Cyanide, Total	ND		mg/kg	0.92	0.19	1	09/23/20 22:40	09/24/20 16:30	1,9010C/9012B	AG

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039249

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1412278-2								
Chromium, Hexavalent	93		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1413168-2 WG1413168-3								
Cyanide, Total	34	Q	62	Q	80-120	63	Q	35
General Chemistry - Westborough Lab Associated sample(s): 11 Batch: WG1413187-2								
Chromium, Hexavalent	101		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 11 Batch: WG1413211-2 WG1413211-3								
Cyanide, Total	73	Q	42	Q	80-120	54	Q	35

### Matrix Spike Analysis Batch Quality Control

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1412278-4 QC Sample: L2039249-10 Client ID: AT5596CECS-11 BORINGS: 30,31												
Chromium, Hexavalent	ND	1200	1280	106	-	-	-	-	75-125	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1413168-4 WG1413168-5 QC Sample: L2039249-07 Client ID: AT5596CECS-07 BORINGS: 26,27												
Cyanide, Total	ND	12	12	99	11	99	99	9	75-125	9	35	35
General Chemistry - Westborough Lab Associated sample(s): 11 QC Batch ID: WG1413187-4 QC Sample: L2039249-11 Client ID: AT5596CECS-10 BORINGS: 44,45												
Chromium, Hexavalent	0.306J	813	790	97	-	-	-	-	75-125	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 11 QC Batch ID: WG1413211-4 WG1413211-5 QC Sample: L2039211-14 Client ID: MS Sample												
Cyanide, Total	ND	11	11	100	11	100	100	0	75-125	0	35	35



### Lab Duplicate Analysis *Batch Quality Control*

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1412278-6 QC Sample: L2039249-10 Client ID: AT5596CECS-11 BORINGS: 30,31						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1412837-1 QC Sample: L2039249-01 Client ID: AT5596CECS-01 BORINGS: 5,6,8						
Solids, Total	82.3	80.8	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 11 QC Batch ID: WG1413187-6 QC Sample: L2039249-11 Client ID: AT5596CECS-10 BORINGS: 44,45						
Chromium, Hexavalent	0.306J	ND	mg/kg	NC		20



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Serial\_No:**09252013:14  
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**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(*)
L2039249-01A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2039249-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2039249-01C	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HEXCR-7196(30)
L2039249-01D	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-01E	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-02A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2039249-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2039249-02C	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HEXCR-7196(30)
L2039249-02D	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-02E	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-03A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2039249-03B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2039249-03C	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HEXCR-7196(30)
L2039249-03D	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

\*Values in parentheses indicate holding time in days



**Project Name:** BEACON ISLAND  
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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>
L2039249-03E	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-04A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2039249-04B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2039249-04C	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HEXCR-7196(30)
L2039249-04D	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-04E	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-05A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2039249-05B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),NA-TI(180),K-TI(180),CD-TI(180),CA-TI(180)
L2039249-05C	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HEXCR-7196(30)
L2039249-05D	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-05E	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-06A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2039249-06B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2039249-06C	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HEXCR-7196(30)
L2039249-06D	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-06E	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-07A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)

**Project Name:** BEACON ISLAND  
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**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2039249-07B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2039249-07C	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HEXCR-7196(30)
L2039249-07D	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-07E	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-08A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2039249-08B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2039249-08C	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HEXCR-7196(30)
L2039249-08D	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-08E	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-09A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2039249-09B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2039249-09C	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HEXCR-7196(30)
L2039249-09D	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-09E	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-10A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2039249-10B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2039249-10C	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HEXCR-7196(30)

\*Values in parentheses indicate holding time in days





**Project Name:** BEACON ISLAND  
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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>
L2039249-10D	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-10E	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-11A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2039249-11B	Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2039249-11C	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		HEXCR-7196(30)
L2039249-11D	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L2039249-11E	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)

\*Values in parentheses indicate holding time in days



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## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.

### Footnotes

Report Format: DU Report with 'J' Qualifiers



**Project Name:** BEACON ISLAND  
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- 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. 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. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. 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 method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

**Data Qualifiers**

- 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.

Report Format: DU Report with 'J' Qualifiers

---



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039249  
**Report Date:** 09/25/20

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

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

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



## Certification Information

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

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.

**SM2340B**

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





# ATLANTIC TESTING LABORATORIES

## Environmental Chain-Of-Custody Record

L2039249  
No: 13471

~~L2038249~~

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Project No.		Client Name		QA/QC Code		Parameters						Report Distribution			
AT 5596 Page 1 of 2		McFarland Johnson Inc.		<input type="checkbox"/> NYSDEC <input type="checkbox"/> SW-846 <input type="checkbox"/> NYSDOH <input type="checkbox"/> CLP <input type="checkbox"/> Other		TAL Metals	Hex. Chrom.	Total Cyanide	Semi VOC	Pesticides	PCB	TAT Required:	<input type="checkbox"/> 6hr <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 5day <input checked="" type="checkbox"/> 10day <input type="checkbox"/> Other		
ATL Project Contact:		Cheyanne Dashnaw		Project Location								E-mail Results:		@atlantictesting.com CDashnaw@atlantictesting.com	
Project Name:		Beacon Island		Glenmont, NY								Laboratory Sample ID No.		Notes	
Date	Time	Field Sample No.	Sample Location	Sample Type	No. of Containers										
9/16	1000	AT5596CECS-01	Borings: 5, 6, 8	CS	5	X	X	X	X	X	X				
		AT5596CECS-02	Borings: 10, 11, 12	CS	5	X	X	X	X	X	X				
		AT5596CECS-03	Borings: 13, 15, 16	CS	5	X	X	X	X	X	X				
		AT5596CECS-04	Borings: 17, 18, 19	CS	5	X	X	X	X	X	X				
		AT5596CECS-05	Borings: 21, 22, 23	CS	5	X	X	X	X	X	X				
		AT5596CECS-06	Borings: 24, 25	CS	5	X	X	X	X	X	X				
		AT5596CECS-07	Borings: 26, 27	CS	5	X	X	X	X	X	X				
		AT5596CECS-08	Borings: 28, 29	CS	5	X	X	X	X	X	X				
		AT5596CECS-09	Borings: 41, 43	CS	5	X	X	X	X	X	X				
Samplers Name:		Matt Clum		Date:	09/17/20	Received for Name:		Philip W. Morrissey Jr		Date:		Shipment Rec'd Intact?			
Samplers Signature:		Kyle Crawford (for)		Time:		Laboratory Signature:		Philip W. Morrissey Jr		Time:		<input type="checkbox"/> YES <input type="checkbox"/> NO			
Samples Relinquished By:				Samples Received By:				Sample Type Code Key:				Laboratory Remarks			
Name:	Kyle Crawford		Date:	9/18		Name:	Jim Conby AAL		Date:	9/18/20		Description			
Signature:	Kyle Crawford		Time:			Signature:	Jim Conby		Time:	9:46		C Composite Q QA/QC G Grab O Other Matrix DW Drinking Water S Soil GW Groundwater SL Sludge WW Wastewater WS Solid Waste SM Stormwater B Bulk O Oil WP Wipe L Liquid A Air			
Name:	Jim Conby		Date:	9-18-20		Name:	Nick Thayer		Date:	9/18/20					
Signature:	Jim Conby		Time:			Signature:	Nicholas Thayer		Time:	13:56					

Distribution: White with Samples  
Pink to ATL Files

Nick Thayer  
Nicholas Thayer 9/18/20 - 1343

Wm M 9/18/20 1343

L258199



# ATLANTIC TESTING LABORATORIES

## Environmental Chain-Of-Custody Record

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315-786-7887 (T)  
315-786-2022 (F)  
atl@atl-testing.com

Project No.		Client Name		OAK/C Code		Parameters						Report Distribution		
AT5596		McFarland Johnson Inc.		<input type="checkbox"/> NYSDEC	<input type="checkbox"/> SW-846	TAL Metals	Hex. Chrom.	Total Cyanide	Semi VOC	Pesticides	PCB	TAT Required:	<input type="checkbox"/> 6hr <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr	
Page 2 of 2				<input type="checkbox"/> NYSDOH	<input type="checkbox"/> CLP							E-mail Results:		<input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 5day
ATL Project Contact:		Cheyanne Dashnaw		Project Location								Glenmont, NY		<input checked="" type="checkbox"/> 10day
Project Name:		Beacon Island		Sample Type		CS		No. of Containers		5		Notes		
Date	Time	Field Sample No.	Sample Location	Sample Type	No. of Containers	TAL Metals	Hex. Chrom.	Total Cyanide	Semi VOC	Pesticides	PCB	Laboratory		
9/16	1000	AT5596CECS11	Borings: 30, 31	CS	5	X	X	X	X	X	X	Sample ID No.		
9/16	1000	AT5596CECS10	Borings 44, 45	CS	5	X	X	X	X	X	X	Sample ID No.		

*Kyle Crawford*

*Philip W. Morrissey Jr*

Samplers Name:	Knut Giliddi	Date:	9/17/20	Received for Name:		Date:		Shipment Rec'd Intact?
Samplers Signature:	<i>Kyle Crawford (for)</i>	Time:		Laboratory Signature:		Time:		<input type="checkbox"/> YES <input type="checkbox"/> NO

Samples Relinquished By:			Samples Received By:			Sample Type Code Key:			Laboratory Remarks			
Name:	Kyle Crawford	Date:	9/18	Name:	Jim Conby AAL	Date:	9/18/20	C		Composite	O	OAK/OC
Signature:	<i>Kyle Crawford</i>	Time:		Signature:	<i>Jim Conby</i>	Time:	12:46	G	Grab	O	Other	
Name:	Jim Conby	Date:	9-18-20	Name:	Nicholas Thayer	Date:	9/18/20	DW	Drinking Water	S	Soil	
Signature:	<i>Jim Conby</i>	Time:		Signature:	<i>Nicholas Thayer</i>	Time:	13:50	GW	Groundwater	SL	Sludge	
									WW	Wastewater	WS	Solid Waste
									SM	Stormwater	B	Bulk
									O	Oil	WP	Wipe
									L	Liquid	A	Air

*Nicholas Thayer*  
*Nicholas Thayer* 9/18/20 - 1843 *mmmm* 9/18/20 1813

Distribution: White with Samples  
Pink to ATL Files





# ATLANTIC TESTING LABORATORIES

## Environmental Chain-Of-Custody Record

L2039249  
No: 13471

~~L2038249~~

**Albany**  
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607/773-1835 (F)  
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315/786-2022 (F)  
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Project No.		Client Name		QA/QC Code		Parameters						Report Distribution			
AT 5596 Page 1 of 2		McFarland Johnson Inc.		<input type="checkbox"/> NYSDEC <input type="checkbox"/> SW-846 <input type="checkbox"/> NYSDOH <input type="checkbox"/> CLP <input type="checkbox"/> Other		TAL Metals	Hex. Chrom.	Total Granide	Semi VOC	Pesticides	PCB	TAT Required:	<input type="checkbox"/> 6hr <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 5day <input checked="" type="checkbox"/> 10day <input type="checkbox"/> Other		
ATL Project Contact:		Cheyanne Dashnaw		Project Location								E-mail Results:		@atlantictesting.com CDashnaw@atlantictesting.com	
Project Name:		Beacon Island		Glenmont, NY								Laboratory Sample ID No.		Notes	
Date	Time	Field Sample No.	Sample Location	Sample Type	No. of Containers										
9/16	1000	AT5596CECS-01	Borings: 5, 6, 8	CS	5	X	X	X	X	X	X				
		AT5596CECS-02	Borings: 10, 11, 12	CS	5	X	X	X	X	X	X				
		AT5596CECS-03	Borings: 13, 15, 16	CS	5	X	X	X	X	X	X				
		AT5596CECS-04	Borings: 17, 18, 19	CS	5	X	X	X	X	X	X				
		AT5596CECS-05	Borings: 21, 22, 23	CS	5	X	X	X	X	X	X				
		AT5596CECS-06	Borings: 24, 25	CS	5	X	X	X	X	X	X				
		AT5596CECS-07	Borings: 26, 27	CS	5	X	X	X	X	X	X				
		AT5596CECS-08	Borings: 41, 43	CS	5	X	X	X	X	X	X				
		AT5596CECS-09	Borings: 44, 45	CS	5	X	X	X	X	X	X				
Samplers Name:		Matt Clum		Date:	09/17/20	Received for Name:				Date:		Shipment Rec'd Intact?			
Samplers Signature:		Kyle Crawford (for)		Time:		Laboratory Signature:				Time:		<input type="checkbox"/> YES <input type="checkbox"/> NO			
Samples Relinquished By:				Samples Received By:				Sample Type Code Key:				Laboratory Remarks			
Name:	Kyle Crawford		Date:	9/18		Name:	Jim Conby AAL		Date:	9/18/20		Description			
Signature:	Kyle Crawford		Time:			Signature:	Jim Conby		Time:	9:46		C Composite Q QA/QC G Grab O Other Matrix DW Drinking Water S Soil GW Groundwater SL Sludge WW Wastewater WS Solid Waste SM Stormwater B Bulk O Oil WP Wipe L Liquid A Air			
Name:	Jim Conby		Date:	9-18-20		Name:	Nick Thayer		Date:	9/18/20					
Signature:	Jim Conby		Time:			Signature:	Nicholas Thayer		Time:	13:56					

Distribution: White with Samples  
Pink to ATL Files

Nick Thayer  
Nicholas Thayer 9/18/20 - 1343

Wen M 9/18/20 1843



~~L2039249~~



# ATLANTIC TESTING LABORATORIES

## Environmental Chain-Of-Custody Record

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26581 NYS Route 283  
Watertown, NY 13601  
315/786-7887 (T)  
315/786-2022 (F)  
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Project No.		Client Name		QA/QC Code		Parameters						Report Distribution		Custody Seal: X= Intact
AT5596		McFarland Johnson Inc.		<input type="checkbox"/> NYSDEC	<input type="checkbox"/> SW-846	TAL Metals	Hex. Chrom.	Total Cyanide	Semi VOC	Pesticides	PCB	TAT Required:	<input type="checkbox"/> 6hr <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr	
Page 2 of 2		ATL Project Contact: Cheyanne Dashnaw		<input type="checkbox"/> NYSDOH	<input type="checkbox"/> CLP							E-mail Results:	<input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 5day	
Project Name: Beacon Island		Project Location: Glenmont, NY		<input type="checkbox"/> Other									<input checked="" type="checkbox"/> 10day	
Date	Time	Field Sample No.	Sample Location	Sample Type	No. of Containers							Notes	<input type="checkbox"/> Other	
9/16	1000	AT5596CELS11	Borings: 30,31	CS	5									
<i>Kyle Crawford</i>														

Samplers Name: Knut Gliddi Date: 9/17/20 Received for Name: \_\_\_\_\_ Date: \_\_\_\_\_ Shipment Rec'd Intact?  YES  NO

Samplers Signature: Kyle Crawford (for) Time: \_\_\_\_\_ Laboratory Signature: \_\_\_\_\_ Time: \_\_\_\_\_

Samples Relinquished By:				Samples Received By:				Sample Type Code Key:				Laboratory Remarks
Name:	Date:	Signature:	Time:	Name:	Date:	Signature:	Time:	Description				
<u>Kyle Crawford</u>	<u>9/18</u>	<u>Kyle Crawford</u>		<u>Jim Conby AAL</u>	<u>9/18/20</u>	<u>Jim Conby</u>	<u>2:46</u>	C	Composite	O	QA/QC	
								G	Grab	O	Other	
								Matrix				
								DW	Drinking Water	S	Soil	
								GW	Groundwater	SL	Sludge	
								WW	Wastewater	WS	Solid Waste	
								SM	Stormwater	B	Bulk	
								O	Oil	WP	Wipe	
								L	Liquid	A	Air	

Nicholas Thayer 9/18/20 - 1843 uenn 9/18/20 1813

Distribution: White with Samples  
Pink to ATL Files



## ANALYTICAL REPORT

Lab Number:	L2039252
Client:	Atlantic Testing Laboratories, Limited 22 Corporate Drive Clifton Park, NY 12065
ATTN:	Cheyenne Dashnaw
Phone:	(518) 383-9144
Project Name:	BEACON ISLAND
Project Number:	AT5596
Report Date:	09/25/20

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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: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2039252-01	AT5596CE01	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-02	AT5596CE02	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-03	AT5596CE03	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-04	AT5596CE04	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-05	AT5596CE05	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-06	AT5596CE06	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-07	AT5596CE07	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-08	AT5596CE08	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-09	AT5596CE09	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-10	AT5596CE10	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-11	AT5596CE11	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-12	AT5596CE12	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-13	AT5596CE13	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-14	AT5596CE14	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-15	AT5596CE15	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-16	AT5596CE16	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-17	AT5596CE17	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-18	AT5596CE18	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-19	AT5596CE19	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-20	AT5596CE20	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-21	AT5596CE21	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20
L2039252-22	AT5596CE22	SOIL	GLENMONT, NY	09/16/20 10:00	09/18/20

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

### 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:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L2039252-17: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (49%) was outside the acceptance criteria; however, re-analysis achieved similar results: chlorobenzene-d5 (19%), 1,4-dichlorobenzene-d4 (3%) and the surrogate recoveries for 1,2-dichloroethane-d4 (143%), toluene-d8 (199%), 4-bromofluorobenzene (208%) and dibromofluoromethane (155%). The results of both analyses are reported. The WG1414605-5 Method Blank, associated with L2039252-05, -07, -10, -14, and -15, has a concentration above the reporting limit for bromomethane. Since the samples were non-detect to the RL for this target analyte, no further actions were taken. The results of the original analysis are reported.

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

Authorized Signature:  Melissa Sturgis

Title: Technical Director/Representative

Date: 09/25/20

# ORGANICS

# VOLATILES



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-01  
 Client ID: AT5596CE01  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 09:33  
 Analyst: AD  
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.2	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-01  
 Client ID: AT5596CE01  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.97	1
Acetone	ND		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-01  
**Client ID:** AT5596CE01  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	85	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	98		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-02  
 Client ID: AT5596CE02  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 09:58  
 Analyst: AD  
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.8	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-02  
 Client ID: AT5596CE02  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.0	1
Acetone	30		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.2	1
2-Butanone	3.7	J	ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.12	1
Naphthalene	ND		ug/kg	4.6	0.75	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-02  
**Client ID:** AT5596CE02  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	92	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	127		70-130
Dibromofluoromethane	97		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-03  
 Client ID: AT5596CE03  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 10:23  
 Analyst: AD  
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-03  
 Client ID: AT5596CE03  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-03  
 Client ID: AT5596CE03  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	96	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	97		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-04  
 Client ID: AT5596CE04  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 10:48  
 Analyst: AD  
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-04  
 Client ID: AT5596CE04  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.6	0.76	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-04  
**Client ID:** AT5596CE04  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.21	1
p-Ethyltoluene	ND		ug/kg	2.3	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	138	Q	70-130
Dibromofluoromethane	97		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-05  
 Client ID: AT5596CE05  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 20:08  
 Analyst: NLK  
 Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.6	0.76	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-05  
 Client ID: AT5596CE05  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.3	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.16	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.3	0.86	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-05  
 Client ID: AT5596CE05  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
1,4-Dioxane	ND		ug/kg	100	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	106		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-06  
 Client ID: AT5596CE06  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/25/20 15:12  
 Analyst: MKS  
 Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	8.0	3.7	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.23	1
Chloroform	ND		ug/kg	2.4	0.22	1
Carbon tetrachloride	ND		ug/kg	1.6	0.37	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.43	1
Tetrachloroethene	ND		ug/kg	0.80	0.31	1
Chlorobenzene	ND		ug/kg	0.80	0.20	1
Trichlorofluoromethane	ND		ug/kg	6.4	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.41	1
1,1,1-Trichloroethane	ND		ug/kg	0.80	0.27	1
Bromodichloromethane	ND		ug/kg	0.80	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.44	1
cis-1,3-Dichloropropene	ND		ug/kg	0.80	0.25	1
1,3-Dichloropropene, Total	ND		ug/kg	0.80	0.25	1
1,1-Dichloropropene	ND		ug/kg	0.80	0.25	1
Bromoform	ND		ug/kg	6.4	0.39	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.80	0.26	1
Benzene	ND		ug/kg	0.80	0.26	1
Toluene	ND		ug/kg	1.6	0.87	1
Ethylbenzene	ND		ug/kg	1.6	0.22	1
Chloromethane	ND		ug/kg	6.4	1.5	1
Bromomethane	ND		ug/kg	3.2	0.93	1
Vinyl chloride	ND		ug/kg	1.6	0.54	1
Chloroethane	ND		ug/kg	3.2	0.72	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.22	1



Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-06  
 Client ID: AT5596CE06  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.80	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	0.27	1
Methyl tert butyl ether	ND		ug/kg	3.2	0.32	1
p/m-Xylene	ND		ug/kg	3.2	0.90	1
o-Xylene	ND		ug/kg	1.6	0.46	1
Xylenes, Total	ND		ug/kg	1.6	0.46	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.28	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.22	1
Dibromomethane	ND		ug/kg	3.2	0.38	1
Styrene	ND		ug/kg	1.6	0.31	1
Dichlorodifluoromethane	ND		ug/kg	16	1.5	1
Acetone	210		ug/kg	16	7.7	1
Carbon disulfide	ND		ug/kg	16	7.3	1
2-Butanone	38		ug/kg	16	3.5	1
Vinyl acetate	ND		ug/kg	16	3.4	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.0	1
1,2,3-Trichloropropane	ND		ug/kg	3.2	0.20	1
2-Hexanone	ND		ug/kg	16	1.9	1
Bromochloromethane	ND		ug/kg	3.2	0.33	1
2,2-Dichloropropane	ND		ug/kg	3.2	0.32	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.45	1
1,3-Dichloropropane	ND		ug/kg	3.2	0.27	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.80	0.21	1
Bromobenzene	ND		ug/kg	3.2	0.23	1
n-Butylbenzene	ND		ug/kg	1.6	0.27	1
sec-Butylbenzene	ND		ug/kg	1.6	0.23	1
tert-Butylbenzene	ND		ug/kg	3.2	0.19	1
o-Chlorotoluene	ND		ug/kg	3.2	0.30	1
p-Chlorotoluene	ND		ug/kg	3.2	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	1.6	1
Hexachlorobutadiene	ND		ug/kg	6.4	0.27	1
Isopropylbenzene	ND		ug/kg	1.6	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.17	1
Naphthalene	ND		ug/kg	6.4	1.0	1
Acrylonitrile	ND		ug/kg	6.4	1.8	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-06  
**Client ID:** AT5596CE06  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.6	0.27	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	0.51	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	0.43	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.2	0.31	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	0.53	1
1,4-Dioxane	ND		ug/kg	130	56.	1
p-Diethylbenzene	ND		ug/kg	3.2	0.28	1
p-Ethyltoluene	ND		ug/kg	3.2	0.61	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.2	0.30	1
Ethyl ether	ND		ug/kg	3.2	0.54	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.0	2.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-07  
 Client ID: AT5596CE07  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 21:00  
 Analyst: NLK  
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	0.20	J	ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-07  
 Client ID: AT5596CE07  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.77	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-07  
 Client ID: AT5596CE07  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	95	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	100		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-08  
 Client ID: AT5596CE08  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 12:28  
 Analyst: AD  
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-08  
 Client ID: AT5596CE08  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-08  
 Client ID: AT5596CE08  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	96	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-09  
 Client ID: AT5596CE09  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 12:53  
 Analyst: AD  
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-09  
**Client ID:** AT5596CE09  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.61	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.79	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-09  
 Client ID: AT5596CE09  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	97	43.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.22	1
p-Ethyltoluene	ND		ug/kg	2.4	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	98		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-10  
 Client ID: AT5596CE10  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 21:26  
 Analyst: NLK  
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.21	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-10  
 Client ID: AT5596CE10  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-10  
**Client ID:** AT5596CE10  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	88	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	101		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-11  
 Client ID: AT5596CE11  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 13:43  
 Analyst: AD  
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-11  
 Client ID: AT5596CE11  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-11  
 Client ID: AT5596CE11  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	89	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	101		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-12  
 Client ID: AT5596CE12  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 14:08  
 Analyst: AD  
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.3	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.2	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.16	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.34	1
Tetrachloroethene	ND		ug/kg	0.63	0.25	1
Chlorobenzene	ND		ug/kg	0.63	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.88	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.63	0.21	1
Bromodichloromethane	ND		ug/kg	0.63	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.63	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.63	0.20	1
Bromoform	ND		ug/kg	5.0	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.63	0.21	1
Benzene	ND		ug/kg	0.63	0.21	1
Toluene	ND		ug/kg	1.2	0.68	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.73	1
Vinyl chloride	ND		ug/kg	1.2	0.42	1
Chloroethane	ND		ug/kg	2.5	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-12  
**Client ID:** AT5596CE12  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.70	1
o-Xylene	ND		ug/kg	1.2	0.37	1
Xylenes, Total	ND		ug/kg	1.2	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.2	0.25	1
Dichlorodifluoromethane	ND		ug/kg	12	1.2	1
Acetone	41		ug/kg	12	6.1	1
Carbon disulfide	ND		ug/kg	12	5.7	1
2-Butanone	7.8	J	ug/kg	12	2.8	1
Vinyl acetate	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	12	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.63	0.17	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.21	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.2	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.0	0.82	1
Acrylonitrile	ND		ug/kg	5.0	1.4	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-12  
 Client ID: AT5596CE12  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.2	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
1,4-Dioxane	ND		ug/kg	100	44.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.48	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	98		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-13  
 Client ID: AT5596CE13  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 14:33  
 Analyst: AD  
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.3	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.63	0.25	1
Chlorobenzene	ND		ug/kg	0.63	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.88	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.63	0.21	1
Bromodichloromethane	ND		ug/kg	0.63	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.63	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.63	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.63	0.21	1
Benzene	ND		ug/kg	0.63	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.5	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.42	1
Chloroethane	ND		ug/kg	2.5	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-13  
 Client ID: AT5596CE13  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.71	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.63	0.17	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.21	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.82	1
Acrylonitrile	ND		ug/kg	5.1	1.4	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-13  
 Client ID: AT5596CE13  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
1,4-Dioxane	ND		ug/kg	100	44.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.48	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	99		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-14  
 Client ID: AT5596CE14  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 21:51  
 Analyst: NLK  
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-14  
**Client ID:** AT5596CE14  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.6	0.74	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-14  
**Client ID:** AT5596CE14  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.1	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	92	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

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

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-15  
 Client ID: AT5596CE15  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 22:17  
 Analyst: NLK  
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.4	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-15  
 Client ID: AT5596CE15  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.22	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-15  
**Client ID:** AT5596CE15  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-16  
 Client ID: AT5596CE16  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 13:54  
 Analyst: MKS  
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	0.44	J	ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-16  
 Client ID: AT5596CE16  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.77	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-16  
 Client ID: AT5596CE16  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	95	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	104		70-130



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-17  
 Client ID: AT5596CE17  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 14:22  
 Analyst: MKS  
 Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.3	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	0.25	J	ug/kg	0.63	0.25	1
Chlorobenzene	ND		ug/kg	0.63	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.88	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.63	0.21	1
Bromodichloromethane	ND		ug/kg	0.63	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.63	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.63	0.20	1
Bromoform	ND		ug/kg	5.0	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.63	0.21	1
Benzene	ND		ug/kg	0.63	0.21	1
Toluene	ND		ug/kg	1.3	0.68	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.73	1
Vinyl chloride	ND		ug/kg	1.3	0.42	1
Chloroethane	ND		ug/kg	2.5	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-17  
 Client ID: AT5596CE17  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.70	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.7	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.63	0.17	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.2	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.21	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.0	0.82	1
Acrylonitrile	ND		ug/kg	5.0	1.4	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-17  
**Client ID:** AT5596CE17  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
1,4-Dioxane	ND		ug/kg	100	44.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.48	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	128		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	127		70-130
Dibromofluoromethane	110		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-17 R  
 Client ID: AT5596CE17  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/25/20 08:34  
 Analyst: MV  
 Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	3.3	J	ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	3.8		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	2.9		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-17 R

Date Collected: 09/16/20 10:00

Client ID: AT5596CE17

Date Received: 09/18/20

Sample Location: GLENMONT, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.64	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.24	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	2.1	J	ug/kg	5.1	0.83	1
Acrylonitrile	ND		ug/kg	5.1	1.5	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-17 R  
 Client ID: AT5596CE17  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
1,4-Dioxane	ND		ug/kg	100	45.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.49	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.24	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	143	Q	70-130
Toluene-d8	199	Q	70-130
4-Bromofluorobenzene	208	Q	70-130
Dibromofluoromethane	155	Q	70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-18  
 Client ID: AT5596CE18  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 14:49  
 Analyst: MKS  
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-18  
**Client ID:** AT5596CE18  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	20		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	3.4	J	ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	0.22	J	ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.13	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.6	0.74	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-18  
**Client ID:** AT5596CE18  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.1	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	91	40.	1
p-Diethylbenzene	0.24	J	ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	1.3	J	ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	105		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-19  
 Client ID: AT5596CE19  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 15:16  
 Analyst: MKS  
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-19  
 Client ID: AT5596CE19  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.77	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-19  
**Client ID:** AT5596CE19  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	95	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	102		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-20  
 Client ID: AT5596CE20  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 15:43  
 Analyst: MKS  
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	2.9		ug/kg	0.61	0.20	1
Toluene	1.4		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-20  
**Client ID:** AT5596CE20  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/kg	0.61	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	51		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	6.6	J	ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.79	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-20  
**Client ID:** AT5596CE20  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.41	1
1,4-Dioxane	ND		ug/kg	97	43.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.22	1
p-Ethyltoluene	ND		ug/kg	2.4	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	102		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-21  
 Client ID: AT5596CE21  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 16:10  
 Analyst: MKS  
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.17	1
Benzene	ND		ug/kg	0.53	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1



Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-21  
 Client ID: AT5596CE21  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	ND		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-21  
 Client ID: AT5596CE21  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	105		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-22  
 Client ID: AT5596CE22  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/24/20 16:37  
 Analyst: MKS  
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.18	1
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-22  
 Client ID: AT5596CE22  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-22  
 Client ID: AT5596CE22  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	89	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	104		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

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

Analytical Method: 1,8260C  
Analytical Date: 09/24/20 08:43  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,08-09,11-13 Batch: WG1414189-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

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

Analytical Method: 1,8260C  
Analytical Date: 09/24/20 08:43  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,08-09,11-13 Batch: WG1414189-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	0.18	J	ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 09/24/20 08:43  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,08-09,11-13 Batch: WG1414189-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	0.27	J	ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	0.11	J	ug/kg	1.0	0.11
Naphthalene	1.0	J	ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.88	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.59	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	0.23	J	ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	96		70-130



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

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

Analytical Method: 1,8260C  
Analytical Date: 09/24/20 11:38  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16-22 Batch: WG1414312-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

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

Analytical Method: 1,8260C  
Analytical Date: 09/24/20 11:38  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16-22 Batch: WG1414312-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

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

Analytical Method: 1,8260C  
Analytical Date: 09/24/20 11:38  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16-22 Batch: WG1414312-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	97		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

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

Analytical Method: 1,8260C  
Analytical Date: 09/24/20 18:51  
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,07,10,14-15 Batch: WG1414605-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	2.0		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

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

Analytical Method: 1,8260C  
Analytical Date: 09/24/20 18:51  
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,07,10,14-15 Batch: WG1414605-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	0.20	J	ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	0.22	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

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

Analytical Method: 1,8260C  
Analytical Date: 09/24/20 18:51  
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,07,10,14-15 Batch: WG1414605-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.42	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.30	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

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

Analytical Method: 1,8260C  
Analytical Date: 09/25/20 07:14  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06,17 Batch: WG1414642-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

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

Analytical Method: 1,8260C  
Analytical Date: 09/25/20 07:14  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06,17 Batch: WG1414642-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

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

Analytical Method: 1,8260C  
Analytical Date: 09/25/20 07:14  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06,17 Batch: WG1414642-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	0.26	J	ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	0.79	J	ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.61	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.48	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,08-09,11-13 Batch: WG1414189-3 WG1414189-4								
Methylene chloride	101		100		70-130	1		30
1,1-Dichloroethane	110		108		70-130	2		30
Chloroform	107		107		70-130	0		30
Carbon tetrachloride	120		118		70-130	2		30
1,2-Dichloropropane	114		113		70-130	1		30
Dibromochloromethane	102		103		70-130	1		30
1,1,2-Trichloroethane	100		102		70-130	2		30
Tetrachloroethene	118		115		70-130	3		30
Chlorobenzene	100		99		70-130	1		30
Trichlorofluoromethane	128		93		70-139	32	Q	30
1,2-Dichloroethane	105		106		70-130	1		30
1,1,1-Trichloroethane	120		117		70-130	3		30
Bromodichloromethane	113		114		70-130	1		30
trans-1,3-Dichloropropene	108		109		70-130	1		30
cis-1,3-Dichloropropene	122		122		70-130	0		30
1,1-Dichloropropene	127		124		70-130	2		30
Bromoform	96		98		70-130	2		30
1,1,2,2-Tetrachloroethane	92		91		70-130	1		30
Benzene	114		112		70-130	2		30
Toluene	98		96		70-130	2		30
Ethylbenzene	108		106		70-130	2		30
Chloromethane	108		104		52-130	4		30
Bromomethane	89		87		57-147	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,08-09,11-13 Batch: WG1414189-3 WG1414189-4								
Vinyl chloride	102		100		67-130	2		30
Chloroethane	79		78		50-151	1		30
1,1-Dichloroethene	124		122		65-135	2		30
trans-1,2-Dichloroethene	115		114		70-130	1		30
Trichloroethene	122		122		70-130	0		30
1,2-Dichlorobenzene	78		93		70-130	18		30
1,3-Dichlorobenzene	98		97		70-130	1		30
1,4-Dichlorobenzene	96		96		70-130	0		30
Methyl tert butyl ether	109		110		66-130	1		30
p/m-Xylene	111		110		70-130	1		30
o-Xylene	116		115		70-130	1		30
cis-1,2-Dichloroethene	113		113		70-130	0		30
Dibromomethane	109		109		70-130	0		30
Styrene	112		112		70-130	0		30
Dichlorodifluoromethane	125		121		30-146	3		30
Acetone	99		98		54-140	1		30
Carbon disulfide	109		107		59-130	2		30
2-Butanone	101		99		70-130	2		30
Vinyl acetate	108		108		70-130	0		30
4-Methyl-2-pentanone	101		100		70-130	1		30
1,2,3-Trichloropropane	92		93		68-130	1		30
2-Hexanone	92		92		70-130	0		30
Bromochloromethane	110		111		70-130	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,08-09,11-13 Batch: WG1414189-3 WG1414189-4								
2,2-Dichloropropane	124		120		70-130	3		30
1,2-Dibromoethane	99		99		70-130	0		30
1,3-Dichloropropane	97		97		69-130	0		30
1,1,1,2-Tetrachloroethane	104		105		70-130	1		30
Bromobenzene	101		100		70-130	1		30
n-Butylbenzene	96		102		70-130	6		30
sec-Butylbenzene	106		104		70-130	2		30
tert-Butylbenzene	109		106		70-130	3		30
o-Chlorotoluene	100		98		70-130	2		30
p-Chlorotoluene	104		103		70-130	1		30
1,2-Dibromo-3-chloropropane	93		102		68-130	9		30
Hexachlorobutadiene	108		75		67-130	36	Q	30
Isopropylbenzene	110		108		70-130	2		30
p-Isopropyltoluene	110		108		70-130	2		30
Naphthalene	101		80		70-130	23		30
Acrylonitrile	106		106		70-130	0		30
n-Propylbenzene	106		104		70-130	2		30
1,2,3-Trichlorobenzene	99		78		70-130	24		30
1,2,4-Trichlorobenzene	103		76		70-130	30		30
1,3,5-Trimethylbenzene	107		105		70-130	2		30
1,2,4-Trimethylbenzene	107		106		70-130	1		30
1,4-Dioxane	94		99		65-136	5		30
p-Diethylbenzene	100		106		70-130	6		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,08-09,11-13 Batch: WG1414189-3 WG1414189-4								
p-Ethyltoluene	109		106		70-130	3		30
1,2,4,5-Tetramethylbenzene	86		103		70-130	18		30
Ethyl ether	111		111		67-130	0		30
trans-1,4-Dichloro-2-butene	98		99		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	107		107		70-130
Dibromofluoromethane	94		94		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-22 Batch: WG1414312-3 WG1414312-4								
Methylene chloride	92		88		70-130	4		30
1,1-Dichloroethane	103		99		70-130	4		30
Chloroform	95		93		70-130	2		30
Carbon tetrachloride	94		94		70-130	0		30
1,2-Dichloropropane	105		101		70-130	4		30
Dibromochloromethane	93		90		70-130	3		30
1,1,2-Trichloroethane	103		99		70-130	4		30
Tetrachloroethene	92		91		70-130	1		30
Chlorobenzene	96		94		70-130	2		30
Trichlorofluoromethane	64	Q	64	Q	70-139	0		30
1,2-Dichloroethane	106		103		70-130	3		30
1,1,1-Trichloroethane	93		92		70-130	1		30
Bromodichloromethane	97		97		70-130	0		30
trans-1,3-Dichloropropene	115		109		70-130	5		30
cis-1,3-Dichloropropene	110		107		70-130	3		30
1,1-Dichloropropene	101		100		70-130	1		30
Bromoform	98		98		70-130	0		30
1,1,2,2-Tetrachloroethane	114		111		70-130	3		30
Benzene	101		97		70-130	4		30
Toluene	104		101		70-130	3		30
Ethylbenzene	103		100		70-130	3		30
Chloromethane	124		126		52-130	2		30
Bromomethane	64		68		57-147	6		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-22 Batch: WG1414312-3 WG1414312-4								
Vinyl chloride	108		108		67-130	0		30
Chloroethane	77		76		50-151	1		30
1,1-Dichloroethene	63	Q	63	Q	65-135	0		30
trans-1,2-Dichloroethene	89		95		70-130	7		30
Trichloroethene	97		96		70-130	1		30
1,2-Dichlorobenzene	94		93		70-130	1		30
1,3-Dichlorobenzene	96		96		70-130	0		30
1,4-Dichlorobenzene	95		94		70-130	1		30
Methyl tert butyl ether	107		102		66-130	5		30
p/m-Xylene	104		101		70-130	3		30
o-Xylene	104		101		70-130	3		30
cis-1,2-Dichloroethene	93		90		70-130	3		30
Dibromomethane	93		92		70-130	1		30
Styrene	98		96		70-130	2		30
Dichlorodifluoromethane	98		100		30-146	2		30
Acetone	122		119		54-140	2		30
Carbon disulfide	66		65		59-130	2		30
2-Butanone	103		99		70-130	4		30
Vinyl acetate	114		108		70-130	5		30
4-Methyl-2-pentanone	121		116		70-130	4		30
1,2,3-Trichloropropane	117		115		68-130	2		30
2-Hexanone	118		113		70-130	4		30
Bromochloromethane	90		88		70-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-22 Batch: WG1414312-3 WG1414312-4								
2,2-Dichloropropane	105		104		70-130	1		30
1,2-Dibromoethane	98		96		70-130	2		30
1,3-Dichloropropane	107		103		69-130	4		30
1,1,1,2-Tetrachloroethane	95		93		70-130	2		30
Bromobenzene	93		93		70-130	0		30
n-Butylbenzene	113		111		70-130	2		30
sec-Butylbenzene	106		104		70-130	2		30
tert-Butylbenzene	104		102		70-130	2		30
o-Chlorotoluene	111		109		70-130	2		30
p-Chlorotoluene	113		110		70-130	3		30
1,2-Dibromo-3-chloropropane	100		102		68-130	2		30
Hexachlorobutadiene	82		84		67-130	2		30
Isopropylbenzene	105		103		70-130	2		30
p-Isopropyltoluene	105		105		70-130	0		30
Naphthalene	102		103		70-130	1		30
Acrylonitrile	105		100		70-130	5		30
n-Propylbenzene	110		107		70-130	3		30
1,2,3-Trichlorobenzene	94		96		70-130	2		30
1,2,4-Trichlorobenzene	96		98		70-130	2		30
1,3,5-Trimethylbenzene	108		105		70-130	3		30
1,2,4-Trimethylbenzene	111		108		70-130	3		30
1,4-Dioxane	120		112		65-136	7		30
p-Diethylbenzene	107		106		70-130	1		30



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16-22 Batch: WG1414312-3 WG1414312-4								
p-Ethyltoluene	110		107		70-130	3		30
1,2,4,5-Tetramethylbenzene	107		106		70-130	1		30
Ethyl ether	73		72		67-130	1		30
trans-1,4-Dichloro-2-butene	128		126		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		110		70-130
Toluene-d8	104		102		70-130
4-Bromofluorobenzene	119		115		70-130
Dibromofluoromethane	91		92		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07,10,14-15 Batch: WG1414605-3 WG1414605-4								
Methylene chloride	92		89		70-130	3		30
1,1-Dichloroethane	94		90		70-130	4		30
Chloroform	91		90		70-130	1		30
Carbon tetrachloride	96		94		70-130	2		30
1,2-Dichloropropane	90		90		70-130	0		30
Dibromochloromethane	93		90		70-130	3		30
1,1,2-Trichloroethane	92		88		70-130	4		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	88		88		70-130	0		30
Trichlorofluoromethane	96		92		70-139	4		30
1,2-Dichloroethane	91		89		70-130	2		30
1,1,1-Trichloroethane	93		91		70-130	2		30
Bromodichloromethane	88		89		70-130	1		30
trans-1,3-Dichloropropene	93		90		70-130	3		30
cis-1,3-Dichloropropene	90		91		70-130	1		30
1,1-Dichloropropene	96		95		70-130	1		30
Bromoform	95		92		70-130	3		30
1,1,2,2-Tetrachloroethane	89		87		70-130	2		30
Benzene	90		90		70-130	0		30
Toluene	92		90		70-130	2		30
Ethylbenzene	91		90		70-130	1		30
Chloromethane	94		88		52-130	7		30
Bromomethane	113		108		57-147	5		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07,10,14-15 Batch: WG1414605-3 WG1414605-4								
Vinyl chloride	93		90		67-130	3		30
Chloroethane	92		90		50-151	2		30
1,1-Dichloroethene	97		93		65-135	4		30
trans-1,2-Dichloroethene	98		95		70-130	3		30
Trichloroethene	90		90		70-130	0		30
1,2-Dichlorobenzene	90		92		70-130	2		30
1,3-Dichlorobenzene	93		94		70-130	1		30
1,4-Dichlorobenzene	93		94		70-130	1		30
Methyl tert butyl ether	94		89		66-130	5		30
p/m-Xylene	91		90		70-130	1		30
o-Xylene	89		90		70-130	1		30
cis-1,2-Dichloroethene	94		92		70-130	2		30
Dibromomethane	92		92		70-130	0		30
Styrene	90		91		70-130	1		30
Dichlorodifluoromethane	97		91		30-146	6		30
Acetone	100		89		54-140	12		30
Carbon disulfide	91		86		59-130	6		30
2-Butanone	87		82		70-130	6		30
Vinyl acetate	93		88		70-130	6		30
4-Methyl-2-pentanone	94		86		70-130	9		30
1,2,3-Trichloropropane	89		87		68-130	2		30
2-Hexanone	94		86		70-130	9		30
Bromochloromethane	96		93		70-130	3		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07,10,14-15 Batch: WG1414605-3 WG1414605-4								
2,2-Dichloropropane	97		94		70-130	3		30
1,2-Dibromoethane	93		89		70-130	4		30
1,3-Dichloropropane	90		87		69-130	3		30
1,1,1,2-Tetrachloroethane	90		90		70-130	0		30
Bromobenzene	92		91		70-130	1		30
n-Butylbenzene	93		94		70-130	1		30
sec-Butylbenzene	93		94		70-130	1		30
tert-Butylbenzene	92		93		70-130	1		30
o-Chlorotoluene	92		90		70-130	2		30
p-Chlorotoluene	91		91		70-130	0		30
1,2-Dibromo-3-chloropropane	96		91		68-130	5		30
Hexachlorobutadiene	91		94		67-130	3		30
Isopropylbenzene	94		94		70-130	0		30
p-Isopropyltoluene	94		94		70-130	0		30
Naphthalene	91		91		70-130	0		30
Acrylonitrile	93		86		70-130	8		30
n-Propylbenzene	93		93		70-130	0		30
1,2,3-Trichlorobenzene	95		97		70-130	2		30
1,2,4-Trichlorobenzene	96		97		70-130	1		30
1,3,5-Trimethylbenzene	92		92		70-130	0		30
1,2,4-Trimethylbenzene	93		93		70-130	0		30
1,4-Dioxane	118		103		65-136	14		30
p-Diethylbenzene	95		96		70-130	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07,10,14-15 Batch: WG1414605-3 WG1414605-4								
p-Ethyltoluene	94		94		70-130	0		30
1,2,4,5-Tetramethylbenzene	92		94		70-130	2		30
Ethyl ether	94		90		67-130	4		30
trans-1,4-Dichloro-2-butene	95		90		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		97		70-130
Toluene-d8	102		100		70-130
4-Bromofluorobenzene	101		99		70-130
Dibromofluoromethane	105		102		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06,17 Batch: WG1414642-3 WG1414642-4								
Methylene chloride	86		90		70-130	5		30
1,1-Dichloroethane	79		84		70-130	6		30
Chloroform	93		99		70-130	6		30
Carbon tetrachloride	107		116		70-130	8		30
1,2-Dichloropropane	78		81		70-130	4		30
Dibromochloromethane	113		116		70-130	3		30
1,1,2-Trichloroethane	102		104		70-130	2		30
Tetrachloroethene	104		110		70-130	6		30
Chlorobenzene	97		101		70-130	4		30
Trichlorofluoromethane	116		123		70-139	6		30
1,2-Dichloroethane	93		98		70-130	5		30
1,1,1-Trichloroethane	104		112		70-130	7		30
Bromodichloromethane	101		107		70-130	6		30
trans-1,3-Dichloropropene	106		110		70-130	4		30
cis-1,3-Dichloropropene	93		99		70-130	6		30
1,1-Dichloropropene	101		107		70-130	6		30
Bromoform	121		122		70-130	1		30
1,1,2,2-Tetrachloroethane	103		100		70-130	3		30
Benzene	87		92		70-130	6		30
Toluene	96		100		70-130	4		30
Ethylbenzene	100		106		70-130	6		30
Chloromethane	81		87		52-130	7		30
Bromomethane	92		93		57-147	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06,17 Batch: WG1414642-3 WG1414642-4								
Vinyl chloride	98		105		67-130	7		30
Chloroethane	82		88		50-151	7		30
1,1-Dichloroethene	97		102		65-135	5		30
trans-1,2-Dichloroethene	92		97		70-130	5		30
Trichloroethene	94		101		70-130	7		30
1,2-Dichlorobenzene	102		104		70-130	2		30
1,3-Dichlorobenzene	102		104		70-130	2		30
1,4-Dichlorobenzene	103		104		70-130	1		30
Methyl tert butyl ether	105		109		66-130	4		30
p/m-Xylene	100		105		70-130	5		30
o-Xylene	97		102		70-130	5		30
cis-1,2-Dichloroethene	90		96		70-130	6		30
Dibromomethane	96		99		70-130	3		30
Styrene	102		108		70-130	6		30
Dichlorodifluoromethane	133		141		30-146	6		30
Acetone	73		70		54-140	4		30
Carbon disulfide	76		81		59-130	6		30
2-Butanone	79		80		70-130	1		30
Vinyl acetate	78		81		70-130	4		30
4-Methyl-2-pentanone	92		95		70-130	3		30
1,2,3-Trichloropropane	106		104		68-130	2		30
2-Hexanone	91		93		70-130	2		30
Bromochloromethane	95		99		70-130	4		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06,17 Batch: WG1414642-3 WG1414642-4								
2,2-Dichloropropane	103		110		70-130	7		30
1,2-Dibromoethane	107		109		70-130	2		30
1,3-Dichloropropane	101		105		69-130	4		30
1,1,1,2-Tetrachloroethane	112		118		70-130	5		30
Bromobenzene	104		106		70-130	2		30
n-Butylbenzene	98		101		70-130	3		30
sec-Butylbenzene	102		106		70-130	4		30
tert-Butylbenzene	104		106		70-130	2		30
o-Chlorotoluene	104		105		70-130	1		30
p-Chlorotoluene	103		104		70-130	1		30
1,2-Dibromo-3-chloropropane	110		112		68-130	2		30
Hexachlorobutadiene	118		126		67-130	7		30
Isopropylbenzene	104		105		70-130	1		30
p-Isopropyltoluene	104		107		70-130	3		30
Naphthalene	101		104		70-130	3		30
Acrylonitrile	78		80		70-130	3		30
n-Propylbenzene	101		102		70-130	1		30
1,2,3-Trichlorobenzene	107		110		70-130	3		30
1,2,4-Trichlorobenzene	107		110		70-130	3		30
1,3,5-Trimethylbenzene	104		106		70-130	2		30
1,2,4-Trimethylbenzene	103		104		70-130	1		30
1,4-Dioxane	111		118		65-136	6		30
p-Diethylbenzene	104		106		70-130	2		30



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06,17 Batch: WG1414642-3 WG1414642-4								
p-Ethyltoluene	103		104		70-130	1		30
1,2,4,5-Tetramethylbenzene	106		108		70-130	2		30
Ethyl ether	94		99		67-130	5		30
trans-1,4-Dichloro-2-butene	91		91		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		106		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	102		104		70-130

# **INORGANICS & MISCELLANEOUS**

Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-01

Client ID: AT5596CE01

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	88.7		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-02

Client ID: AT5596CE02

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	81.5		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-03

Client ID: AT5596CE03

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	80.5		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-04

Client ID: AT5596CE04

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	83.5		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-05

Client ID: AT5596CE05

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	73.1		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-06

Client ID: AT5596CE06

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	61.8		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI





**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-07  
**Client ID:** AT5596CE07  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**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	76.6		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-08

Client ID: AT5596CE08

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	77.6		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-09

Client ID: AT5596CE09

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	81.8		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-10

Client ID: AT5596CE10

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	80.7		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-11  
**Client ID:** AT5596CE11  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**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	-	09/22/20 09:32	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-12

Client ID: AT5596CE12

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	71.9		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-13

Client ID: AT5596CE13

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	76.0		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-14  
**Client ID:** AT5596CE14  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**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	-	09/22/20 09:32	121,2540G	RI





**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

Lab ID: L2039252-15  
 Client ID: AT5596CE15  
 Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00  
 Date Received: 09/18/20  
 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	-	09/22/20 09:32	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-16

Client ID: AT5596CE16

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	78.9		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-17

Client ID: AT5596CE17

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	72.8		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-18

Client ID: AT5596CE18

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	77.6		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-19  
**Client ID:** AT5596CE19  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**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	82.8		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-20

Client ID: AT5596CE20

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	77.7		%	0.100	NA	1	-	09/22/20 09:32	121,2540G	RI



**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**SAMPLE RESULTS**

**Lab ID:** L2039252-21  
**Client ID:** AT5596CE21  
**Sample Location:** GLENMONT, NY

**Date Collected:** 09/16/20 10:00  
**Date Received:** 09/18/20  
**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	85.9		%	0.100	NA	1	-	09/22/20 09:25	121,2540G	RI



Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

## SAMPLE RESULTS

Lab ID: L2039252-22

Client ID: AT5596CE22

Sample Location: GLENMONT, NY

Date Collected: 09/16/20 10:00

Date Received: 09/18/20

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	78.0		%	0.100	NA	1	-	09/22/20 09:25	121,2540G	RI





## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: BEACON ISLAND

Project Number: AT5596

Lab Number: L2039252

Report Date: 09/25/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG1412833-1 QC Sample: L2039252-01 Client ID: AT5596CE01						
Solids, Total	88.7	88.8	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 21-22 QC Batch ID: WG1412834-1 QC Sample: L2039435-01 Client ID: DUP Sample						
Solids, Total	93.2	92.5	%	1		20

**Project Name:** BEACON ISLAND**Lab Number:** L2039252**Project Number:** AT5596**Report Date:** 09/25/20**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(*)
L2039252-01A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-01B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-01X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-01Y	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-01Z	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-02A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-02B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-02X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-02Y	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-02Z	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-03A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-03B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-03X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-03Y	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-03Z	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-04A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-04B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-04X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-04Y	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-04Z	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-05A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-05B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-05X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)

**Project Name:** BEACON ISLAND**Lab Number:** L2039252**Project Number:** AT5596**Report Date:** 09/25/20**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>
L2039252-05Y	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-05Z	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-06A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-06B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-06X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-06Y	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-06Z	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-07A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-07B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-07X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-07Y	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-07Z	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-08A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-08B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-08X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-08Y	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-08Z	Vial Water preserved split	A	NA		4.0	Y	Absent	23-SEP-20 04:24	NYTCL-8260(14)
L2039252-09A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-09B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-09X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-09Y	Vial Water preserved split	A	NA		4.0	Y	Absent	24-SEP-20 04:58	NYTCL-8260(14)
L2039252-09Z	Vial Water preserved split	A	NA		4.0	Y	Absent	24-SEP-20 04:58	NYTCL-8260(14)
L2039252-10A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-10B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-10X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-10Y	Vial Water preserved split	A	NA		4.0	Y	Absent	24-SEP-20 04:58	NYTCL-8260(14)
L2039252-10Z	Vial Water preserved split	A	NA		4.0	Y	Absent	24-SEP-20 04:58	NYTCL-8260(14)
L2039252-11A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)

Project Name: BEACON ISLAND

Lab Number: L2039252

Project Number: AT5596

Report Date: 09/25/20

**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>
L2039252-11B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-11X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-11Y	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-11Z	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-12A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-12B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-12X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-12Y	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-12Z	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-13A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-13B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-13X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-13Y	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-13Z	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-14A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-14B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-14X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-14Y	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-14Z	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-15A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-15B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-15X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-15Y	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-15Z	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-16A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-16B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-16X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-16Y	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)

**Project Name:** BEACON ISLAND**Lab Number:** L2039252**Project Number:** AT5596**Report Date:** 09/25/20**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>
L2039252-16Z	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-17A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-17B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-17X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-17Y	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-17Z	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-18A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-18B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-18X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-18Y	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-18Z	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-19A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-19B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-19X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-19Y	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-19Z	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-20A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-20B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-20X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-20Y	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-20Z	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-21A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-21B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-21X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-21Y	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-21Z	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-22A	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2039252-22B	Vial Large Septa unpreserved (4oz)	A	NA		4.0	Y	Absent		NYTCL-8260(14)

**Project Name:** BEACON ISLAND

**Project Number:** AT5596

Serial\_No:09252017:02

**Lab Number:** L2039252

**Report Date:** 09/25/20

**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>
L2039252-22X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L2039252-22Y	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)
L2039252-22Z	Vial Water preserved split	A	NA		4.0	Y	Absent	<b>24-SEP-20 04:58</b>	NYTCL-8260(14)

**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

## 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.
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.

### Footnotes

Report Format: DU Report with 'J' Qualifiers



**Project Name:** BEACON ISLAND  
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**Lab Number:** L2039252  
**Report Date:** 09/25/20

- 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. 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. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. 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 method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers





**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

**Data Qualifiers**

- 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.

Report Format: DU Report with 'J' Qualifiers

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**Project Name:** BEACON ISLAND  
**Project Number:** AT5596

**Lab Number:** L2039252  
**Report Date:** 09/25/20

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

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

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



## Certification Information

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

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**EPA TO-12** Non-methane organics

**EPA 3C** Fixed gases

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.

**SM2340B**

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



# ATLANTIC TESTING LABORATORIES

## Environmental Chain-Of-Custody Record

No: 13474

*L2B 1252*

**Albany**  
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**Utica**  
301 St. Anthony Street  
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315/735-3309 (T)  
315/735-0742 (F)  
labsUT@atlantictesting.com

**Watertown**  
26581 NYS Route 283  
Watertown, NY 13601  
315/786-7887 (T)  
315/786-2022 (F)  
labsWT@atlantictesting.com

Project No.		Client Name			QA/QC Code		Parameters					Report Distribution	
AT5596 Page 1 of 3		McFarland Johnson Inc			<input type="checkbox"/> NYSDEC <input type="checkbox"/> SW-846 <input type="checkbox"/> NYSDOH <input type="checkbox"/> CLP <input type="checkbox"/> Other							TAT Required: <input type="checkbox"/> 6hr <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 5day <input checked="" type="checkbox"/> 10day <input type="checkbox"/> Other _____	
ATL Project Contact:		Cheyanne Dashnaw			Project Location		VOL EPA Meth.					E-mail Results: <i>CDashnaw@atlantictesting.com</i>	
Project Name:		Beacon Island			Glenmont, NY							Notes	
Date	Time	Field Sample No.	Sample Location		Sample Type	No. of Containers							
9/16	1000	AT5596CE01	Boring 5	0'-5' bgs	GS	2	X						
		AT5596CE02	Boring 6	10'-15' bgs	GS	2	X						
		AT5596CE03	Boring 8	5'-10' bgs	GS	2	X						
		AT5596CE04	Boring 11	15'-20' bgs	GS	2	X						
		AT5596CE05	Boring 12	0'-5' bgs	GS	2	X						
		AT5596CE06	Boring 13	10'-15' bgs	GS	2	X						
		AT5596CE07	Boring 15	5'-10' bgs	GS	2	X						
		AT5596CE08	Boring 16	15'-20' bgs	GS	2	X						
		AT5596CE09	Boring 17	0'-5' bgs	GS	2	X						

Samplers Name:	Matt Clum	Date:	9/17/20	Received for Name:		Date:		Shipment Rec'd Intact?
Samplers Signature:	<i>Kyle Crawford (for)</i>	Time:		Laboratory Signature:		Time:		<input type="checkbox"/> YES <input type="checkbox"/> NO

Samples Relinquished By:			Samples Received By:			Sample Type Code Key:		Laboratory Remarks
Name:	<i>Kyle Crawford</i>	Date:	<i>9/18</i>	Name:	<i>Jim Corley ARZ</i>	Date:	<i>9/18/20</i>	Description C Composite    Q QA/QC G Grab          O Other Matrix DW Drinking Water    S Soil GW Groundwater    SL Sludge WW Wastewater    WS Solid Waste SM Stormwater    B Bulk O Oil            WP Wipe L Liquid        A Air
Signature:	<i>Kyle Crawford</i>	Time:		Signature:	<i>Jim Corley</i>	Time:	<i>9:46</i>	
Name:	<i>Jim Corley</i>	Date:	<i>9/18</i>	Name:	<i>Nick Thayer</i>	Date:	<i>9/18/20</i>	
Signature:	<i>Jim Corley</i>	Time:		Signature:	<i>N Thayer</i>	Time:	<i>13:56</i>	

*Nick Thayer 9/18/20 1843 cumma 9/18/20 1843*

Distribution: White with Samples  
Pink to ATL Files





# ATLANTIC TESTING LABORATORIES

## Environmental Chain-Of-Custody Record

No: 13476

L239252

**Albany**  
22 Corporate Drive  
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518/383-9166 (F)  
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**Binghamton**  
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607/773-1812 (T)  
607/773-1835 (F)  
labsBT@atlantictesting.com

**Canton**  
6431 U.S. Highway 11  
Canton, NY 13617  
315/386-4578 (T)  
315/386-1012 (F)  
labsCT@atlantictesting.com

**Elmira**  
2330 Route 352  
Elmira, NY 14903  
607/737-0700 (T)  
607/737-0714 (F)  
labsET@atlantictesting.com

**Plattsburgh**  
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518/562-1321 (F)  
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**Poughkeepsie**  
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845/691-6099 (F)  
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**Rochester**  
3495 Winton Place  
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**Watertown**  
26581 NYS Route 283  
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315/786-2022 (F)  
labsWT@atlantictesting.com

Project No.		Client Name				QA/QC Code		Parameters				Report Distribution	
AT5596 Page 2 of 3		McFarland Johnson Inc				<input type="checkbox"/> NYSDEC <input type="checkbox"/> SW-846 <input type="checkbox"/> NYSDOH <input type="checkbox"/> CLP <input type="checkbox"/> Other						TAT Required: <input type="checkbox"/> 6hr <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 5day <input checked="" type="checkbox"/> 10day <input type="checkbox"/> Other _____ E-mail Results: <u>C Dashnaw</u> <u>iabsat</u> <u>@atlantictesting.com</u> Notes: _____ Laboratory Sample ID No. _____	
ATL Project Contact:		Cheyanne Dashnaw				Project Location						Custody Seal: X = intact	
Project Name:		Beacon Island				Glenmont, NY							
Date	Time	Field Sample No.	Sample Location		Sample Type	No. of Containers							
9/11/16	1000	AT5596CE10	Boring 18 10'-15' bgs		GS	2	X						
		AT5596CE11	Boring 19 5'-10' bgs		GS	2	X						
		AT5596CE12	Boring 21 15'-20' bgs		GS	2	X						
		AT5596CE13	Boring 22 5'-10' bgs		GS	2	X						
		AT5596CE14	Boring 23 15'-20' bgs		GS	2	X						
		AT5596CE15	Boring 26 0'-5' bgs		GS	2	X						
		AT5596CE16	Boring 28 10'-15' bgs		GS	2	X						
		AT5596CE17	Boring 41 5'-10' bgs		GS	2	X						
		AT5596CE18	Boring 43 15'-20' bgs		GS	2	X						

Samplers Name: Knut Gliddi    Date: 9/11/20    Received for Name: \_\_\_\_\_    Date: \_\_\_\_\_    Shipment Rec'd Intact?  YES  NO  
 Samplers Signature: Kyle Crawford (for)    Time: \_\_\_\_\_    Laboratory Signature: \_\_\_\_\_    Time: \_\_\_\_\_

Samples Relinquished By:				Samples Received By:				Sample Type Code Key:			Laboratory Remarks
Name:	<u>Kyle Crawford</u>	Date:	<u>9/18</u>	Name:	<u>Jim Corley</u>	Date:	<u>9/18/20</u>	Description C Composite    Q QA/QC G Grab        O Other Matrix DW Drinking Water    S Soil GW Groundwater    SL Sludge WW Wastewater    WS Solid Waste SM Stormwater    B Bulk O Oil            WP Wipe L Liquid        A Air			
Signature:	<u>Kyle Crawford</u>	Time:		Signature:	<u>Jim Corley</u>	Time:	<u>9:46</u>				
Name:	<u>Jim Corley</u>	Date:	<u>9/18</u>	Name:	<u>Nick Thayer</u>	Date:	<u>9/15/20</u>				
Signature:	<u>Jim Corley</u>	Time:		Signature:	<u>N Thayer</u>	Time:	<u>13:56</u>				

Nick Thayer 9/18/20 1843    Wendy 9/15/20 1843  
N Thayer

Distribution: White with Samples  
Pink to ATL Files



# ATLANTIC TESTING LABORATORIES

## Environmental Chain-Of-Custody Record

No: 13475  
L259252

**Albany**  
22 Corporate Drive  
Clifton Park, NY 12065  
518/383-9144 (T)  
518/383-9166 (F)  
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607/773-1812 (T)  
607/773-1835 (F)  
labsBT@atlantictesting.com

**Canton**  
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Canton, NY 13617  
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315/386-1012 (F)  
labsCT@atlantictesting.com

**Elmira**  
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607/737-0714 (F)  
labsET@atlantictesting.com

**Plattsburgh**  
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Plattsburgh, NY 12903  
518/563-5878 (T)  
518/562-1321 (F)  
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**Poughkeepsie**  
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Highland, NY 12528  
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845/691-6099 (F)  
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**Rochester**  
3495 Winton Place  
Rochester, NY 14623  
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585/427-9021 (F)  
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**Syracuse**  
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labsUT@atlantictesting.com

**Watertown**  
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315/786-2022 (F)  
labsWT@atlantictesting.com

Project No.		Client Name			QA/QC Code		Parameters			Report Distribution	
AT5596		McFarland Johnson, Inc			<input type="checkbox"/> NYSDEC	<input type="checkbox"/> SW-846	VOL EPA Meth.				
Page 3 of 3					<input type="checkbox"/> NYSDOH	<input type="checkbox"/> CLP					
ATL Project Contact:		Cheyanne Dashnaw			Project Location						
Project Name:		Beacon Island			Glenmont, NY						
Date	Time	Field Sample No.	Sample Location		Sample Type	No. of Containers					
9/16	1000	AT5596CE19	Boring 44 0'-5' bgs		GS	2	X				
		AT5596CE20	Boring 45 10'-15' bgs		GS	2	X				
		AT5596CE21	Boring 30 5'-10' bgs		GS	2	X				
		AT5596CE22	Boring 31 15'-20' bgs		GS	2	X				

*Kyle Crawford*

Samplers Name:	Knut Gliddi	Date:	9/17/20	Received for Name:		Date:		Shipment Rec'd Intact?	
Samplers Signature:	<i>Kyle Crawford (for)</i>	Time:		Laboratory Signature:		Time:		<input type="checkbox"/> YES <input type="checkbox"/> NO	

Samples Relinquished By:				Samples Received By:				Sample Type Code Key:				Laboratory Remarks
Name:	<i>Kyle Crawford</i>	Date:	<i>9/18</i>	Name:	<i>Jim Conley AA</i>	Date:	<i>9-18-20</i>	Description C Composite    Q QA/QC G Grab        O Other Matrix DW Drinking Water    S Soil GW Groundwater    SL Sludge WW Wastewater    WS Solid Waste SM Stormwater    B Bulk O Oil            WP Wipe L Liquid        A Air				
Signature:	<i>Kyle Crawford</i>	Time:		Signature:	<i>Jim Conley</i>	Time:	<i>9:46</i>					
Name:	<i>Jim Conley</i>	Date:	<i>9/18</i>	Name:	<i>Nick Thayer</i>	Date:	<i>9/18/20</i>					
Signature:	<i>Jim Conley</i>	Time:		Signature:	<i>N Thayer</i>	Time:	<i>13:56</i>					

*Nick Thayer 9/18/20 1843*    *Jim Conley 9/18/20 1843*

Distribution: White with Samples  
Pink to ATL Files

**APPENDIX F**

**SUMMARY OF LABORATORY ANALYSIS RESULTS**



**Table F-1  
Summary of Laboratory Analysis Results- VOC  
Soil Samples Collected September 16, 2020**

Sample Location	Boring 5	Boring 6	Boring 8	Boring 11	Boring 12	Boring 13	Boring 15	Boring 16	Boring 17	Boring 18	Boring 19	6NYCRR Part 375/NYSDEC CP-51 Unrestricted Use Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-360 Commercial Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-360 Industrial Soil Cleanup Level	6 NYCRR Part 360 Fill Material Beneficial Use Criteria		
	Sample ID	AT5596 CE01	AT5596 CE02	AT5596 CE03	AT5596 CE04	AT5596 CE05	AT5596 CE06	AT5596 CE07	AT5596 CE08	AT5596 CE09	AT5596 CE10				AT5596 CE11	General Fill	Restricted-Use Fill
Sample Depth*	0' - 5'	10' -15'	5' - 10'	15' - 20'	0' - 5'	10' -15'	5' - 10'	15' - 20'	0' - 5'	10' -15'	5' - 10'						
<b>VOC(ppm)</b>																	
Acetone	ND	0.03	ND	ND	ND	<b>0.21</b>	ND	ND	ND	ND	ND	0.05	500	1,000	0.05	0.05	0.05
2-Butanone (MEK)	ND	0.0037	ND	ND	ND	0.038	ND	ND	ND	ND	ND	0.12	500	1,000	0.12	0.12	0.12
Benzene	ND	ND	ND	ND	ND	ND	0.0002	ND	ND	ND	ND	0.06	44	89	0.06	0.06	0.06
All Other Target Compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---
Sample Location	Boring 21	Boring 22	Boring 23	Boring 26	Boring 28	Boring 41	Boring 43	Boring 44	Boring 45	Boring 30	Boring 31	6NYCRR Part 375/NYSDEC CP-51 Unrestricted Use Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-360 Commercial Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-360 Industrial Soil Cleanup Level	6 NYCRR Part 360 Fill Material Beneficial Use Criteria		
	Sample ID	AT5596 CE12	AT5596 CE013	AT5596 CE14	AT5596 CE15	AT5596 CE16	AT5596 CE17	AT5596 CE18	AT5596 CE19	AT5596 CE20	AT5596 CE21				AT5596 CE22	General Fill	Restricted-Use Fill
Sample Depth*	15' - 20'	5' - 10'	15' - 20'	0' - 5'	10' -15'	5' - 10'	15' - 20'	0' - 5'	10' -15'	15' - 20'	15' - 20'						
<b>VOC(ppm)</b>																	
Acetone	0.041	ND	ND	ND	ND	ND	0.02	ND	<b>0.051</b>	ND	ND	0.05	500	1,000	0.05	0.05	0.05
2-Butanone (MEK)	0.0078	ND	ND	ND	ND	ND	0.0034	ND	0.0066	ND	ND	0.12	500	1,000	0.12	0.12	0.12
Benzene	ND	ND	ND	ND	0.00044	ND	ND	ND	0.0029	ND	ND	0.06	44	89	0.06	0.06	0.06
Tetrachloroethene	ND	ND	ND	ND	ND	0.0038	ND	ND	ND	ND	ND	1.3	150	300	1.3	1.3	1.3
Methylene chloride	ND	ND	ND	ND	ND	0.0033	ND	ND	ND	ND	ND	0.05	500	1,000	0.05	0.05	0.05
Toulene	ND	ND	ND	ND	ND	0.0029	ND	ND	0.0014	ND	ND	0.7	500	1,000	0.7	0.7	0.7
Naphthalene	ND	ND	ND	ND	ND	0.0021	ND	ND	ND	ND	ND	12	500	1,000	12	12	12
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	0.00022	ND	ND	ND	ND	11	500	1,000	11	11	11
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	0.00024	ND	ND	ND	ND	---	---	---	---	---	---
1,2,4,5-Tetramethylbenzene	ND	ND	ND	ND	ND	ND	0.0013	ND	ND	ND	ND	---	---	---	---	---	---
All Other Target Compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---

**NOTES:**

Samples collected as grab samples from selected boring locations.

See Sample Location Plan in Appendix A.

\*= Depth in feet below existing ground surface.

Samples collected by representatives of Atlantic Testing Laboratories, Limited on September 16, 2020, and analyzed by Alpha Analytical, Inc. (NYSDOH ELAP No. 11148).

Copies of the laboratory report and sample custody documentation are contained in Appendix C.

ppm= parts per millions

VOC= volatile organic compounds

ND= Not detectable above laboratory method detection limit

NYSDEC Unrestricted Use Soil Cleanup Levels were obtained from 6 NYCRR Part 375 (Unrestricted Use Soil Cleanup Objectives) or the NYSDEC Final Commissioner Policy, CP-51, dated October 21, 2010 (most restrictive of available standards for Supplemental Soil Cleanup Objectives).

NYSDEC Commercial Soil Cleanup Levels and Industrial Soil Cleanup Levels were obtained from the corresponding standards listed in 6 NYCRR Part 375 or NYSDEC CP-51.

6 NYCRR Part 360 Fill Material Beneficial Criteria were obtained from the Maximum Contaminant Levels description in Table 2 of 6 NYCRR Part 360.13(f).

Values in bold exceed the NYSDEC Unrestricted Use Soil Cleanup Levels. Values in bold and italics exceed the NYSDEC General Fill Material Beneficial Use Criteria.



**Table F-2  
Summary of Laboratory Analysis Results-Semi-VOC, PCB, Cyanide, Pesticides, and Metals  
Soil Samples Collected September 16, 2020**

Sample Location	Borings 5, 6, and 8	Borings 10, 11, and 12	Borings 13, 15, and 16	Borings 17, 18, and 19	Borings 21, 22, and 23	Borings 24 and 25	Borings 26 and 27	Borings 28 and 29	Borings 41 and 43	Borings 44 and 45	Borings 30 and 31	6NYCRR Part 375/NYSDEC CP-51 Unrestricted Use Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP- 360 Commercial Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP- 360 Industrial Soil Cleanup Level	6 NYCRR Part 360 Fill Material Beneficial Use Criteria***		
															General Fill	Restricted- Use Fill	Limited-Use Fill
Sample ID	AT5596 CECS01	AT5596 CECS02	AT5596 CECS03	AT5596 CECS04	AT5596 CECS05	AT5596 CECS06	AT5596 CECS07	AT5596 CECS08	AT5596 CECS09	AT5596 CECS10	AT5596 CECS11						
Sample Depth*	0' - 20'	0' - 20'	0' - 20'	0' - 20'	0' - 20'	0' - 20'	0' - 20'	0' - 20'	0' - 20'	0' - 20'	0' - 20'						
<b>Semi-VOC(ppm)</b>																	
Fluoranthene	0.14	ND	ND	ND	0.25	ND	ND	0.17	0.14	0.024	0.15	100	500	1,000	100	100	100
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.034	ND	12	500	1,000	12	12	12
Benzo(a)anthracene	0.13	ND	ND	ND	0.16	ND	ND	0.13	0.066	ND	0.11	1	5.6	11	1	See BAPE	See BAPE
Benzo(a)pyrene	0.1	ND	ND	ND	0.13	ND	ND	0.15	0.067	ND	0.088	1	1	1.1	1	See BAPE	See BAPE
Benzo(b)fluoranthene	0.13	ND	ND	ND	0.15	ND	ND	0.14	0.072	ND	0.093	1	5.6	11	1	See BAPE	See BAPE
Benzo(k)fluoranthene	0.032	ND	ND	ND	0.055	ND	ND	0.048	ND	ND	0.044	0.8	56	110	1	See BAPE	See BAPE
Chrysene	0.091	ND	ND	ND	0.14	ND	ND	0.11	0.059	0.02	0.085	1	56	110	1	See BAPE	See BAPE
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	0.058	ND	ND	ND	20	500	1,000	98	98	98
Benzo(ghi)perylene	0.056	ND	ND	ND	0.042	ND	ND	0.069	0.033	ND	0.03	100	500	1,000	100	100	100
Phenanthrene	0.058	ND	ND	ND	0.077	ND	ND	0.094	0.091	ND	0.062	100	500	1,000	100	100	100
Indeno(1,2,3-cd)pyrene	0.057	ND	ND	ND	0.059	ND	ND	0.074	0.037	0.024	0.04	0.5	5.6	11	0.5	See BAPE	See BAPE
Pyrene	0.14	ND	ND	ND	0.22	ND	ND	0.18	0.14	0.024	0.13	100	500	1,000	100	100	100
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.036	ND	0.41	---	---	---	---	---
3-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	0.082	ND	ND	---	---	---	---	---	---
All Other Target Compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---
Total Benzo(a)pyrene Equivalent**	0.136	ND	ND	ND	0.174	ND	ND	0.190	0.085	0.003	0.118	---	---	---	---	3	3
<b>PCB(ppm)</b>																	
Total PCB	0.0093	0.0272	0.0121	ND	ND	ND	ND	ND	0.00927	ND	ND	0.1	1	25	1	1	1
<b>Cyanide (ppm)</b>																	
Cyanide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	27	10,000	27	27	27
<b>Pesticides (ppm)</b>																	
Dieldrin	ND	0.000972	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	1.4	2.8	0.039	0.039	0.039
4,4'- DDE	ND	0.0016	ND	ND	0.000683	ND	ND	ND	<b>0.00724</b>	ND	ND	0.0033	62	120	1.8	1.8	1.8
4,4'- DDD	ND	<b>0.00592</b>	0.000828	ND	ND	ND	ND	ND	<b>0.00672</b>	ND	ND	0.0033	92	180	2.6	2.6	2.6
4,4'- DDT	ND	0.00202	ND	ND	ND	ND	ND	ND	0.00242	ND	ND	0.0033	47	94	1.7	1.7	1.7
trans-Chlordane	0.00122	0.00135	0.000729	ND	0.00201	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---
All Other Target Compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---
<b>Hexavalent Chromium (ppm)</b>																	
Hexavalent Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.306	ND	1	400	800	19	19	19

**Table F-2 (continued)**  
**Summary of Laboratory Analysis Results-Semi-VOC, PCB, Cyanide, Pesticides, and Metals**  
**Soil Samples Collected September 16, 2020**

Sample Location	Borings 5, 6, and 8	Borings 10, 11, and 12	Borings 13, 15, and 16	Borings 17, 18, and 19	Borings 21, 22, and 23	Borings 24 and 25	Borings 26 and 27	Borings 28 and 29	Borings 41 and 43	Borings 44 and 45	Borings 30 and 31	6NYCRR Part 375/NYSDEC CP-51 Unrestricted Use Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP- 360 Commercial Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP- 360 Industrial Soil Cleanup Level	6 NYCRR Part 360 Fill Material Beneficial Use Criteria***		
															General Fill	Restricted- Use Fill	Limited-Use Fill
Sample ID	AT5596 CECS01	AT5596 CECS02	AT5596 CECS03	AT5596 CECS04	AT5596 CECS05	AT5596 CECS06	AT5596 CECS07	AT5596 CECS08	AT5596 CECS09	AT5596 CECS10	AT5596 CECS11						
Sample Depth*	0' - 20'	0' - 20'	0' - 20'	0' - 20'	0' - 20'	0' - 20'	0' - 20'	0' - 20'	0' - 20'	0' - 20'	0' - 20'						
<b>TAL Metals (ppm)</b>																	
Aluminum	6,650	8,720	9,590	6,920	7,560	<b>10,900</b>	8,490	6,520	<b>12,700</b>	6,780	7,050	10,000	---	---	---	---	---
Antimony	0.432	0.928	0.508	0.365	0.353	0.819	0.936	1.12	0.714	0.789	0.704	12	---	---	---	---	---
Arsenic	7.02	<b>16.4</b>	6.69	9.68	11.7	3.54	4.9	5.04	6.99	4.56	3.31	13	16	16	16	16	16
Barium	71.6	180	119	74.7	146	77.6	71.8	51.4	93.6	59.9	60.3	350	400	10,000	350	350	400
Beryllium	0.432	0.701	0.592	0.272	0.586	0.647	0.501	0.338	0.655	0.376	0.401	7.2	590	2,700	14	14	590
Calcium	5,840	5,380	5,430	6,650	4,100	3,090	6,950	3,940	<b>26,900</b>	5,130	5,330	10,000	---	---	---	---	---
Chromium	9.96	13.1	13.4	10.6	12.9	14.9	12.4	12.1	17.3	13.8	10.6	30	1,500	6,800	NS	NS	1,500
Cobalt	6.32	5.87	6.36	6.96	5.82	7.17	8.34	7.72	11.8	6.9	7.54	20	---	---	---	---	---
Copper	15.1	24.9	30.3	13.6	13.7	12.3	20.2	19.4	28.5	12.0	15.1	50	270	10,000	270	270	270
Iron	<b>16,300</b>	<b>24,000</b>	<b>22,800</b>	<b>21,300</b>	<b>15,300</b>	<b>22,000</b>	<b>19,400</b>	<b>16,600</b>	<b>28,800</b>	<b>18,400</b>	<b>16,500</b>	2,000	---	---	---	---	---
Lead	7.87	12.7	8.68	9.82	12.5	9.26	10.0	19.0	14.0	7.38	11.1	63	1,000	3,900	400	400	1,000
Magnesium	4,060	2,350	2,760	3,810	2,740	3,850	4,390	4,070	9,500	3,400	4,030	---	---	---	---	---	---
Manganese	186	127	204	384	188	261	311	347	525	237	296	1,600	10,000	10,000	2,000	2,000	10,000
Mercury	ND	ND	ND	0.072	ND	ND	ND	0.077	ND	ND	ND	0.18	2.8	5.7	0.73	0.73	2.8
Nickel	13.1	20.7	<b>30.2</b>	74.1	13.9	18.8	22.0	15.0	26.2	15.0	17.8	30	310	10,000	130	130	310
Potassium	428	701	669	620	596	477	550	409	1,360	523	581	---	---	---	---	---	---
Selenium	ND	1.03	0.240	0.496	0.325	ND	0.463	0.382	0.278	ND	ND	3.9	1,500	6,800	4	4	1,500
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	1,500	6,800	8.3	8.3	1,500
Sodium	104	260	237	126	176	44.3	70.0	37.1	131	76.7	65.5	---	---	---	---	---	---
Thallium	ND	0.312	ND	ND	ND	ND	ND	0.284	ND	ND	ND	5	---	---	---	---	---
Vanadium	14.9	<b>53.0</b>	<b>94.4</b>	<b>586</b>	26.6	20.1	35.4	13.7	22.0	19.3	25.5	39	---	---	---	---	---
Zinc	38.9	34.8	56.4	42.7	33.3	66.2	53.6	55.6	63.8	43.9	51.2	109	10,000	10,000	2,200	2,200	10,000
All Other Target Compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---

**NOTES:**  
Samples collected as composite comprised of 8 to 12 grab samples of a designated section of the soil borings.  
Samples collected by representatives of Atlantic Testing Laboratories, Limited on September 16 2020, and analyzed by Alpha Analytical, Inc. (NYSDOH ELAP No. 11148).  
Copies of the laboratory report and sample custody documentation are contained in Appendix C.  
\*= Depth in feet below top of sediment  
Semi-VOC= semi-volatile organic compounds  
PCB= polychlorinated biphenyls  
TAL Metals= Target Analyte List Metals  
See Sample Location Plan in Appendix A.  
ppm = parts per million, or mg/kg.  
ND = Not detected above laboratory method detection limit  
NA = Not Applicable Regulated Level Under 6 NYCRR PART 375  
NYSDEC Unrestricted Use Soil Cleanup Levels were obtained from 6 NYCRR Part 375 (Unrestricted Use Soil Cleanup Objectives) or the NYSDEC Final Commissioner Policy, CP-51, dated October 21, 2010 (most restrictive of available standards for Supplemental Soil Cleanup Objectives). NYSDEC Commercial Soil Cleanup Levels and Industrial Soil Cleanup Levels were obtained from the corresponding standards listed in 6 NYCRR Part 375 or NYSDEC CP-51.  
6 NYCRR Part 360 Fill Material Beneficial Criteria were obtained from the Maximum Contaminant Levels description in Table 2 of 6 NYCRR Part 360.13(f).  
\*\*= Benzo(a)pyrene (BAPE) equivalent is calculated using the following formula: BAPE= 1 x conc. Benzo(a)pyrene + 0.1 x [conc. Benz(a)anthracene + conc. Benzo(b)fluoranthene + conc. Benzo(k)fluoranthene + conc. Dibenz(a,h)anthracene + conc. Indeno(1,2,3-c,d)pyrene] + 0.01 x conc. Chrysene (All concentrations in mg/kg or ppm, dry weight).  
\*\*\*= For Nassau and Suffolk Counties, additional restrictions apply (reference 6 NYCRR Part 360.13(f)).  
Values in bold exceed the NYSDEC Unrestricted Use Soil Cleanup Levels. Values in bold and italics exceed the NYSDEC General Fill Material Beneficial Use Criteria.