



ANALYTICAL REPORT

Lab Number:	L2037130
Client:	GEI Consultants 400 Unicorn Park Drive Woburn, MA 01801
ATTN:	Matthew Glunt
Phone:	(781) 721-4000
Project Name:	CME-RIDOT 6/10 DESIGN PHASE
Project Number:	1801485
Report Date:	09/09/20

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Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2037130-01	1801485-SP01 (COMP)	SOIL	PROVIDENCE, RI	09/08/20 14:50	09/08/20
L2037130-02	1801485-SP01 (GRAB)	SOIL	PROVIDENCE, RI	09/08/20 14:55	09/08/20
L2037130-03	1801485-SP02 (COMP)	SOIL	PROVIDENCE, RI	09/08/20 15:05	09/08/20
L2037130-04	1801485-SP02 (GRAB)	SOIL	PROVIDENCE, RI	09/08/20 15:10	09/08/20
L2037130-05	1801485-SP03 (COMP)	SOIL	PROVIDENCE, RI	09/08/20 15:20	09/08/20
L2037130-06	1801485-SP03 (GRAB)	SOIL	PROVIDENCE, RI	09/08/20 15:25	09/08/20

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

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: CME-RIDOT 6/10 DESIGN PHASE
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Lab Number: L2037130
Report Date: 09/09/20

Case Narrative (continued)

Sample Receipt

The samples were received at the laboratory above the required temperature range. The samples were transported to the laboratory in a cooler with ice and delivered directly from the sampling site. This is considered acceptable since the samples were in the process of cooling.

L2037130-02, -04, and -06: The samples submitted for Volatile Organics were received without raw soil for the Total Solids analysis. The Total Solids results from the corresponding composite samples were utilized in the dry weight calculation of the Volatile Organics data.

Semivolatile Organics

L2037130-01 and -05: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

The WG1406821-3 MS recovery, performed on L2037130-01, are outside the acceptance criteria for copper (3%). A post digestion spike was performed and yielded unacceptable recoveries for copper (69%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1406821-3 MS recoveries, performed on L2037130-01, are outside the acceptance criteria for arsenic (73%) and barium (67%). A post digestion spike was performed and was within acceptance criteria.

The WG1406821-3 MS recovery, performed on L2037130-01, is outside the acceptance criteria for lead (53%). A post digestion spike was performed and yielded an unacceptable recovery for lead (70%). The serial dilution recovery was not acceptable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1406821-3 MS recoveries, performed on L2037130-01, are outside the acceptance criteria for cadmium (73%), nickel (69%), selenium (68%), and zinc (53%). A post digestion spike was performed and yielded unacceptable recoveries for cadmium (76%), nickel (70%), selenium (73%), and zinc (70%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

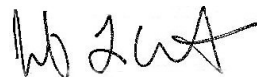
Lab Number: L2037130
Report Date: 09/09/20

Case Narrative (continued)

The WG1406821-4 Laboratory Duplicate RPDs for arsenic (22%), barium (45%), copper (64%), lead (21%) and zinc (21%), performed on L2037130-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

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:



Jennifer L Clements

Title: Technical Director/Representative

Date: 09/09/20

ORGANICS

VOLATILES

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-02
 Client ID: 1801485-SP01 (GRAB)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 14:55
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/09/20 02:01
 Analyst: JC
 Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.51	--	1
Chloroform	ND		ug/kg	0.77	--	1
Carbon tetrachloride	ND		ug/kg	0.51	--	1
1,2-Dichloropropane	ND		ug/kg	0.51	--	1
Dibromochloromethane	ND		ug/kg	0.51	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.51	--	1
Tetrachloroethene	ND		ug/kg	0.26	--	1
Chlorobenzene	ND		ug/kg	0.26	--	1
Trichlorofluoromethane	ND		ug/kg	2.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.51	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.26	--	1
Bromodichloromethane	ND		ug/kg	0.26	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.51	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.26	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.26	--	1
1,1-Dichloropropene	ND		ug/kg	0.26	--	1
Bromoform	ND		ug/kg	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.26	--	1
Benzene	ND		ug/kg	0.26	--	1
Toluene	ND		ug/kg	0.51	--	1
Ethylbenzene	ND		ug/kg	0.51	--	1
Chloromethane	ND		ug/kg	2.0	--	1
Bromomethane	ND		ug/kg	1.0	--	1
Vinyl chloride	ND		ug/kg	0.51	--	1
Chloroethane	ND		ug/kg	1.0	--	1
1,1-Dichloroethene	ND		ug/kg	0.51	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.77	--	1

Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-02
 Client ID: 1801485-SP01 (GRAB)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 14:55
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.26	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.0	--	1
Methyl tert butyl ether	ND		ug/kg	1.0	--	1
p/m-Xylene	ND		ug/kg	1.0	--	1
o-Xylene	ND		ug/kg	0.51	--	1
Xylenes, Total	ND		ug/kg	0.51	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.51	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.51	--	1
Dibromomethane	ND		ug/kg	1.0	--	1
1,4-Dichlorobutane	ND		ug/kg	5.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.0	--	1
Styrene	ND		ug/kg	0.51	--	1
Dichlorodifluoromethane	ND		ug/kg	5.1	--	1
Acetone	ND		ug/kg	13	--	1
Carbon disulfide	ND		ug/kg	5.1	--	1
2-Butanone	ND		ug/kg	5.1	--	1
Vinyl acetate	ND		ug/kg	5.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	5.1	--	1
2-Hexanone	ND		ug/kg	5.1	--	1
Ethyl methacrylate	ND		ug/kg	5.1	--	1
Acrylonitrile	ND		ug/kg	2.0	--	1
Bromochloromethane	ND		ug/kg	1.0	--	1
Tetrahydrofuran	ND		ug/kg	2.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.0	--	1
1,2-Dibromoethane	ND		ug/kg	0.51	--	1
1,3-Dichloropropane	ND		ug/kg	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.26	--	1
Bromobenzene	ND		ug/kg	1.0	--	1
n-Butylbenzene	ND		ug/kg	0.51	--	1
sec-Butylbenzene	ND		ug/kg	0.51	--	1
tert-Butylbenzene	ND		ug/kg	1.0	--	1
o-Chlorotoluene	ND		ug/kg	1.0	--	1
p-Chlorotoluene	ND		ug/kg	1.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.5	--	1
Hexachlorobutadiene	ND		ug/kg	2.0	--	1

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-02
Client ID: 1801485-SP01 (GRAB)
Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 14:55
Date Received: 09/08/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		ug/kg	0.51	--	1
p-Isopropyltoluene	ND		ug/kg	0.51	--	1
Naphthalene	ND		ug/kg	2.0	--	1
n-Propylbenzene	ND		ug/kg	0.51	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.0	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	2.6	--	1
Ethyl ether	ND		ug/kg	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-04
 Client ID: 1801485-SP02 (GRAB)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:10
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/09/20 02:26
 Analyst: JC
 Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	2.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.43	--	1
Chloroform	ND		ug/kg	0.64	--	1
Carbon tetrachloride	ND		ug/kg	0.43	--	1
1,2-Dichloropropane	ND		ug/kg	0.43	--	1
Dibromochloromethane	ND		ug/kg	0.43	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.43	--	1
Tetrachloroethene	ND		ug/kg	0.21	--	1
Chlorobenzene	ND		ug/kg	0.21	--	1
Trichlorofluoromethane	ND		ug/kg	1.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.43	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.21	--	1
Bromodichloromethane	ND		ug/kg	0.21	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.43	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.21	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.21	--	1
1,1-Dichloropropene	ND		ug/kg	0.21	--	1
Bromoform	ND		ug/kg	1.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.21	--	1
Benzene	ND		ug/kg	0.21	--	1
Toluene	ND		ug/kg	0.43	--	1
Ethylbenzene	ND		ug/kg	0.43	--	1
Chloromethane	ND		ug/kg	1.7	--	1
Bromomethane	ND		ug/kg	0.86	--	1
Vinyl chloride	ND		ug/kg	0.43	--	1
Chloroethane	ND		ug/kg	0.86	--	1
1,1-Dichloroethene	ND		ug/kg	0.43	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.64	--	1

Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-04
 Client ID: 1801485-SP02 (GRAB)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:10
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.21	--	1
1,2-Dichlorobenzene	ND		ug/kg	0.86	--	1
1,3-Dichlorobenzene	ND		ug/kg	0.86	--	1
1,4-Dichlorobenzene	ND		ug/kg	0.86	--	1
Methyl tert butyl ether	ND		ug/kg	0.86	--	1
p/m-Xylene	ND		ug/kg	0.86	--	1
o-Xylene	ND		ug/kg	0.43	--	1
Xylenes, Total	ND		ug/kg	0.43	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.43	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.43	--	1
Dibromomethane	ND		ug/kg	0.86	--	1
1,4-Dichlorobutane	ND		ug/kg	4.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	0.86	--	1
Styrene	ND		ug/kg	0.43	--	1
Dichlorodifluoromethane	ND		ug/kg	4.3	--	1
Acetone	ND		ug/kg	11	--	1
Carbon disulfide	ND		ug/kg	4.3	--	1
2-Butanone	ND		ug/kg	4.3	--	1
Vinyl acetate	ND		ug/kg	4.3	--	1
4-Methyl-2-pentanone	ND		ug/kg	4.3	--	1
2-Hexanone	ND		ug/kg	4.3	--	1
Ethyl methacrylate	ND		ug/kg	4.3	--	1
Acrylonitrile	ND		ug/kg	1.7	--	1
Bromochloromethane	ND		ug/kg	0.86	--	1
Tetrahydrofuran	ND		ug/kg	1.7	--	1
2,2-Dichloropropane	ND		ug/kg	0.86	--	1
1,2-Dibromoethane	ND		ug/kg	0.43	--	1
1,3-Dichloropropane	ND		ug/kg	0.86	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.21	--	1
Bromobenzene	ND		ug/kg	0.86	--	1
n-Butylbenzene	ND		ug/kg	0.43	--	1
sec-Butylbenzene	ND		ug/kg	0.43	--	1
tert-Butylbenzene	ND		ug/kg	0.86	--	1
o-Chlorotoluene	ND		ug/kg	0.86	--	1
p-Chlorotoluene	ND		ug/kg	0.86	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.3	--	1
Hexachlorobutadiene	ND		ug/kg	1.7	--	1

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-04
Client ID: 1801485-SP02 (GRAB)
Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:10
Date Received: 09/08/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		ug/kg	0.43	--	1
p-Isopropyltoluene	ND		ug/kg	0.43	--	1
Naphthalene	ND		ug/kg	1.7	--	1
n-Propylbenzene	ND		ug/kg	0.43	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	0.86	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	0.86	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	0.86	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	0.86	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	2.1	--	1
Ethyl ether	ND		ug/kg	0.86	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-06
 Client ID: 1801485-SP03 (GRAB)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:25
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/09/20 02:52
 Analyst: JC
 Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	1.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.38	--	1
Chloroform	ND		ug/kg	0.58	--	1
Carbon tetrachloride	ND		ug/kg	0.38	--	1
1,2-Dichloropropane	ND		ug/kg	0.38	--	1
Dibromochloromethane	ND		ug/kg	0.38	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.38	--	1
Tetrachloroethene	ND		ug/kg	0.19	--	1
Chlorobenzene	ND		ug/kg	0.19	--	1
Trichlorofluoromethane	ND		ug/kg	1.5	--	1
1,2-Dichloroethane	ND		ug/kg	0.38	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.19	--	1
Bromodichloromethane	ND		ug/kg	0.19	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.38	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.19	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.19	--	1
1,1-Dichloropropene	ND		ug/kg	0.19	--	1
Bromoform	ND		ug/kg	1.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.19	--	1
Benzene	ND		ug/kg	0.19	--	1
Toluene	ND		ug/kg	0.38	--	1
Ethylbenzene	ND		ug/kg	0.38	--	1
Chloromethane	ND		ug/kg	1.5	--	1
Bromomethane	ND		ug/kg	0.77	--	1
Vinyl chloride	ND		ug/kg	0.38	--	1
Chloroethane	ND		ug/kg	0.77	--	1
1,1-Dichloroethene	ND		ug/kg	0.38	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.58	--	1

Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-06
 Client ID: 1801485-SP03 (GRAB)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:25
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.19	--	1
1,2-Dichlorobenzene	ND		ug/kg	0.77	--	1
1,3-Dichlorobenzene	ND		ug/kg	0.77	--	1
1,4-Dichlorobenzene	ND		ug/kg	0.77	--	1
Methyl tert butyl ether	ND		ug/kg	0.77	--	1
p/m-Xylene	ND		ug/kg	0.77	--	1
o-Xylene	ND		ug/kg	0.38	--	1
Xylenes, Total	ND		ug/kg	0.38	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.38	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.38	--	1
Dibromomethane	ND		ug/kg	0.77	--	1
1,4-Dichlorobutane	ND		ug/kg	3.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	0.77	--	1
Styrene	ND		ug/kg	0.38	--	1
Dichlorodifluoromethane	ND		ug/kg	3.8	--	1
Acetone	ND		ug/kg	9.6	--	1
Carbon disulfide	ND		ug/kg	3.8	--	1
2-Butanone	ND		ug/kg	3.8	--	1
Vinyl acetate	ND		ug/kg	3.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	3.8	--	1
2-Hexanone	ND		ug/kg	3.8	--	1
Ethyl methacrylate	ND		ug/kg	3.8	--	1
Acrylonitrile	ND		ug/kg	1.5	--	1
Bromochloromethane	ND		ug/kg	0.77	--	1
Tetrahydrofuran	ND		ug/kg	1.5	--	1
2,2-Dichloropropane	ND		ug/kg	0.77	--	1
1,2-Dibromoethane	ND		ug/kg	0.38	--	1
1,3-Dichloropropane	ND		ug/kg	0.77	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.19	--	1
Bromobenzene	ND		ug/kg	0.77	--	1
n-Butylbenzene	ND		ug/kg	0.38	--	1
sec-Butylbenzene	ND		ug/kg	0.38	--	1
tert-Butylbenzene	ND		ug/kg	0.77	--	1
o-Chlorotoluene	ND		ug/kg	0.77	--	1
p-Chlorotoluene	ND		ug/kg	0.77	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.2	--	1
Hexachlorobutadiene	ND		ug/kg	1.5	--	1

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-06
Client ID: 1801485-SP03 (GRAB)
Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:25
Date Received: 09/08/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		ug/kg	0.38	--	1
p-Isopropyltoluene	ND		ug/kg	0.38	--	1
Naphthalene	ND		ug/kg	1.5	--	1
n-Propylbenzene	ND		ug/kg	0.38	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	0.77	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	0.77	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	0.77	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	0.77	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	1.9	--	1
Ethyl ether	ND		ug/kg	0.77	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	99		70-130

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/08/20 20:00
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04,06 Batch: WG1407751-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/08/20 20:00
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04,06 Batch: WG1407751-5					
Trichloroethene	ND		ug/kg	0.50	--
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	25	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
Vinyl acetate	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrolein	ND		ug/kg	25	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/08/20 20:00
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04,06 Batch: WG1407751-5					
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Ethyl ether	ND		ug/kg	2.0	--
Methyl Acetate	ND		ug/kg	4.0	--
Ethyl Acetate	ND		ug/kg	10	--
Isopropyl Ether	ND		ug/kg	2.0	--
Cyclohexane	ND		ug/kg	10	--
Tert-Butyl Alcohol	ND		ug/kg	20	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	80	--
Methyl cyclohexane	ND		ug/kg	4.0	--

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/08/20 20:00
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04,06 Batch: WG1407751-5					
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	4.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE

Lab Number: L2037130

Project Number: 1801485

Report Date: 09/09/20

Parameter	LCS	Qual	LCS	Qual	%Recovery	RPD	Qual	RPD
	%Recovery		%Recovery		Limits			Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04,06 Batch: WG1407751-3 WG1407751-4								
Methylene chloride	99		99		70-130	0		30
1,1-Dichloroethane	108		106		70-130	2		30
Chloroform	102		100		70-130	2		30
Carbon tetrachloride	98		97		70-130	1		30
1,2-Dichloropropane	108		106		70-130	2		30
Dibromochloromethane	110		107		70-130	3		30
1,1,2-Trichloroethane	101		99		70-130	2		30
2-Chloroethylvinyl ether	113		114		70-130	1		30
Tetrachloroethene	101		100		70-130	1		30
Chlorobenzene	100		97		70-130	3		30
Trichlorofluoromethane	71		69	Q	70-139	3		30
1,2-Dichloroethane	107		106		70-130	1		30
1,1,1-Trichloroethane	100		100		70-130	0		30
Bromodichloromethane	105		104		70-130	1		30
trans-1,3-Dichloropropene	105		103		70-130	2		30
cis-1,3-Dichloropropene	111		111		70-130	0		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	104		103		70-130	1		30
1,1,2,2-Tetrachloroethane	96		97		70-130	1		30
Benzene	103		103		70-130	0		30
Toluene	96		95		70-130	1		30
Ethylbenzene	97		95		70-130	2		30
Chloromethane	126		125		52-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE

Lab Number: L2037130

Project Number: 1801485

Report Date: 09/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04,06 Batch: WG1407751-3 WG1407751-4								
Bromomethane	89		86		57-147	3		30
Vinyl chloride	93		95		67-130	2		30
Chloroethane	84		83		50-151	1		30
1,1-Dichloroethene	100		99		65-135	1		30
trans-1,2-Dichloroethene	103		103		70-130	0		30
Trichloroethene	103		102		70-130	1		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	98		97		70-130	1		30
1,4-Dichlorobenzene	94		94		70-130	0		30
Methyl tert butyl ether	105		103		66-130	2		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	98		96		70-130	2		30
cis-1,2-Dichloroethene	106		105		70-130	1		30
Dibromomethane	108		106		70-130	2		30
1,4-Dichlorobutane	110		110		70-130	0		30
1,2,3-Trichloropropane	94		93		68-130	1		30
Styrene	103		101		70-130	2		30
Dichlorodifluoromethane	75		73		30-146	3		30
Acetone	137		130		54-140	5		30
Carbon disulfide	95		93		59-130	2		30
2-Butanone	123		130		70-130	6		30
Vinyl acetate	119		121		70-130	2		30
4-Methyl-2-pentanone	119		111		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE

Lab Number: L2037130

Project Number: 1801485

Report Date: 09/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04,06 Batch: WG1407751-3 WG1407751-4								
2-Hexanone	130		120		70-130	8		30
Ethyl methacrylate	108		104		70-130	4		30
Acrolein	115		114		70-130	1		30
Acrylonitrile	123		118		70-130	4		30
Bromochloromethane	108		108		70-130	0		30
Tetrahydrofuran	130		129		66-130	1		30
2,2-Dichloropropane	100		100		70-130	0		30
1,2-Dibromoethane	106		102		70-130	4		30
1,3-Dichloropropane	102		100		69-130	2		30
1,1,1,2-Tetrachloroethane	105		101		70-130	4		30
Bromobenzene	100		100		70-130	0		30
n-Butylbenzene	92		92		70-130	0		30
sec-Butylbenzene	89		90		70-130	1		30
tert-Butylbenzene	92		93		70-130	1		30
1,3,5-Trichlorobenzene	100		99		70-139	1		30
o-Chlorotoluene	78		94		70-130	19		30
p-Chlorotoluene	94		94		70-130	0		30
1,2-Dibromo-3-chloropropane	107		103		68-130	4		30
Hexachlorobutadiene	95		96		67-130	1		30
Isopropylbenzene	93		93		70-130	0		30
p-Isopropyltoluene	94		94		70-130	0		30
Naphthalene	106		103		70-130	3		30
n-Propylbenzene	92		92		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE

Lab Number: L2037130

Project Number: 1801485

Report Date: 09/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04,06 Batch: WG1407751-3 WG1407751-4								
1,2,3-Trichlorobenzene	101		99		70-130	2		30
1,2,4-Trichlorobenzene	102		101		70-130	1		30
1,3,5-Trimethylbenzene	92		92		70-130	0		30
1,2,4-Trimethylbenzene	95		95		70-130	0		30
trans-1,4-Dichloro-2-butene	121		116		70-130	4		30
Ethyl ether	107		104		67-130	3		30
Methyl Acetate	132	Q	129		65-130	2		30
Ethyl Acetate	136	Q	132	Q	70-130	3		30
Isopropyl Ether	126		124		66-130	2		30
Cyclohexane	86		86		70-130	0		30
Tert-Butyl Alcohol	128		129		70-130	1		30
Ethyl-Tert-Butyl-Ether	113		110		70-130	3		30
Tertiary-Amyl Methyl Ether	104		103		70-130	1		30
1,4-Dioxane	138	Q	145	Q	65-136	5		30
Methyl cyclohexane	73		73		70-130	0		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	76		75		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		97		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	103		103		70-130

SEMIVOLATILES

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-01 D
 Client ID: 1801485-SP01 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 14:50
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/09/20 08:31
 Analyst: CB
 Percent Solids: 97%

Extraction Method: EPA 3546
 Extraction Date: 09/08/20 19:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	680	--	5
Benzidine	ND		ug/kg	2800	--	5
1,2,4-Trichlorobenzene	ND		ug/kg	850	--	5
Hexachlorobenzene	ND		ug/kg	510	--	5
Bis(2-chloroethyl)ether	ND		ug/kg	770	--	5
2-Chloronaphthalene	ND		ug/kg	850	--	5
1,2-Dichlorobenzene	ND		ug/kg	850	--	5
1,3-Dichlorobenzene	ND		ug/kg	850	--	5
1,4-Dichlorobenzene	ND		ug/kg	850	--	5
3,3'-Dichlorobenzidine	ND		ug/kg	850	--	5
2,4-Dinitrotoluene	ND		ug/kg	850	--	5
2,6-Dinitrotoluene	ND		ug/kg	850	--	5
Azobenzene	ND		ug/kg	850	--	5
Fluoranthene	2000		ug/kg	510	--	5
4-Chlorophenyl phenyl ether	ND		ug/kg	850	--	5
4-Bromophenyl phenyl ether	ND		ug/kg	850	--	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1000	--	5
Bis(2-chloroethoxy)methane	ND		ug/kg	920	--	5
Hexachlorobutadiene	ND		ug/kg	850	--	5
Hexachlorocyclopentadiene	ND		ug/kg	2400	--	5
Hexachloroethane	ND		ug/kg	680	--	5
Isophorone	ND		ug/kg	770	--	5
Naphthalene	ND		ug/kg	850	--	5
Nitrobenzene	ND		ug/kg	770	--	5
NDPA/DPA	ND		ug/kg	680	--	5
n-Nitrosodi-n-propylamine	ND		ug/kg	850	--	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	850	--	5
Butyl benzyl phthalate	ND		ug/kg	850	--	5

Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-01 D
 Client ID: 1801485-SP01 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 14:50
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	850	--	5
Di-n-octylphthalate	ND		ug/kg	850	--	5
Diethyl phthalate	ND		ug/kg	850	--	5
Dimethyl phthalate	ND		ug/kg	850	--	5
Benzo(a)anthracene	1000		ug/kg	510	--	5
Benzo(a)pyrene	930		ug/kg	680	--	5
Benzo(b)fluoranthene	1400		ug/kg	510	--	5
Benzo(k)fluoranthene	ND		ug/kg	510	--	5
Chrysene	1000		ug/kg	510	--	5
Acenaphthylene	ND		ug/kg	680	--	5
Anthracene	ND		ug/kg	510	--	5
Benzo(ghi)perylene	ND		ug/kg	680	--	5
Fluorene	ND		ug/kg	850	--	5
Phenanthrene	630		ug/kg	510	--	5
Dibenzo(a,h)anthracene	ND		ug/kg	510	--	5
Indeno(1,2,3-cd)pyrene	ND		ug/kg	680	--	5
Pyrene	1900		ug/kg	510	--	5
Biphenyl	ND		ug/kg	1900	--	5
Aniline	ND		ug/kg	1000	--	5
4-Chloroaniline	ND		ug/kg	850	--	5
1-Methylnaphthalene	ND		ug/kg	850	--	5
2-Nitroaniline	ND		ug/kg	850	--	5
3-Nitroaniline	ND		ug/kg	850	--	5
4-Nitroaniline	ND		ug/kg	850	--	5
Dibenzofuran	ND		ug/kg	850	--	5
2-Methylnaphthalene	ND		ug/kg	1000	--	5
n-Nitrosodimethylamine	ND		ug/kg	1700	--	5
2,4,6-Trichlorophenol	ND		ug/kg	510	--	5
p-Chloro-m-cresol	ND		ug/kg	850	--	5
2-Chlorophenol	ND		ug/kg	850	--	5
2,4-Dichlorophenol	ND		ug/kg	770	--	5
2,4-Dimethylphenol	ND		ug/kg	850	--	5
2-Nitrophenol	ND		ug/kg	1800	--	5
4-Nitrophenol	ND		ug/kg	1200	--	5
2,4-Dinitrophenol	ND		ug/kg	4100	--	5
4,6-Dinitro-o-cresol	ND		ug/kg	2200	--	5
Pentachlorophenol	ND		ug/kg	680	--	5

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-01 D
 Client ID: 1801485-SP01 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 14:50
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	850	--	5
2-Methylphenol	ND		ug/kg	850	--	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1200	--	5
2,4,5-Trichlorophenol	ND		ug/kg	850	--	5
Benzoic Acid	ND		ug/kg	2800	--	5
Benzyl Alcohol	ND		ug/kg	850	--	5
Carbazole	ND		ug/kg	850	--	5
Pyridine	ND		ug/kg	920	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	104		25-120
Phenol-d6	109		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	117		10-136
4-Terphenyl-d14	89		18-120

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-03
 Client ID: 1801485-SP02 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:05
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/09/20 12:15
 Analyst: WR
 Percent Solids: 97%

Extraction Method: EPA 3546
 Extraction Date: 09/08/20 19:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
Benzidine	ND		ug/kg	560	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	--	1
2-Chloronaphthalene	ND		ug/kg	170	--	1
1,2-Dichlorobenzene	ND		ug/kg	170	--	1
1,3-Dichlorobenzene	ND		ug/kg	170	--	1
1,4-Dichlorobenzene	ND		ug/kg	170	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	--	1
2,4-Dinitrotoluene	ND		ug/kg	170	--	1
2,6-Dinitrotoluene	ND		ug/kg	170	--	1
Azobenzene	ND		ug/kg	170	--	1
Fluoranthene	670		ug/kg	100	--	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--	1
Hexachlorobutadiene	ND		ug/kg	170	--	1
Hexachlorocyclopentadiene	ND		ug/kg	490	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	150	--	1
Naphthalene	ND		ug/kg	170	--	1
Nitrobenzene	ND		ug/kg	150	--	1
NDPA/DPA	ND		ug/kg	140	--	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	--	1
Butyl benzyl phthalate	ND		ug/kg	170	--	1

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-03
 Client ID: 1801485-SP02 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:05
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	170	--	1
Di-n-octylphthalate	ND		ug/kg	170	--	1
Diethyl phthalate	ND		ug/kg	170	--	1
Dimethyl phthalate	ND		ug/kg	170	--	1
Benzo(a)anthracene	500		ug/kg	100	--	1
Benzo(a)pyrene	400		ug/kg	140	--	1
Benzo(b)fluoranthene	610		ug/kg	100	--	1
Benzo(k)fluoranthene	180		ug/kg	100	--	1
Chrysene	440		ug/kg	100	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	120		ug/kg	100	--	1
Benzo(ghi)perylene	250		ug/kg	140	--	1
Fluorene	ND		ug/kg	170	--	1
Phenanthrene	240		ug/kg	100	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	280		ug/kg	140	--	1
Pyrene	660		ug/kg	100	--	1
Biphenyl	ND		ug/kg	390	--	1
Aniline	ND		ug/kg	200	--	1
4-Chloroaniline	ND		ug/kg	170	--	1
1-Methylnaphthalene	ND		ug/kg	170	--	1
2-Nitroaniline	ND		ug/kg	170	--	1
3-Nitroaniline	ND		ug/kg	170	--	1
4-Nitroaniline	ND		ug/kg	170	--	1
Dibenzofuran	ND		ug/kg	170	--	1
2-Methylnaphthalene	ND		ug/kg	200	--	1
n-Nitrosodimethylamine	ND		ug/kg	340	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
p-Chloro-m-cresol	ND		ug/kg	170	--	1
2-Chlorophenol	ND		ug/kg	170	--	1
2,4-Dichlorophenol	ND		ug/kg	150	--	1
2,4-Dimethylphenol	ND		ug/kg	170	--	1
2-Nitrophenol	ND		ug/kg	370	--	1
4-Nitrophenol	ND		ug/kg	240	--	1
2,4-Dinitrophenol	ND		ug/kg	820	--	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	--	1
Pentachlorophenol	ND		ug/kg	140	--	1

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-03
 Client ID: 1801485-SP02 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:05
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	170	--	1
2-Methylphenol	ND		ug/kg	170	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--	1
2,4,5-Trichlorophenol	ND		ug/kg	170	--	1
Benzoic Acid	ND		ug/kg	550	--	1
Benzyl Alcohol	ND		ug/kg	170	--	1
Carbazole	ND		ug/kg	170	--	1
Pyridine	ND		ug/kg	180	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	48		10-136
4-Terphenyl-d14	47		18-120

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-05 D
 Client ID: 1801485-SP03 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:20
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/09/20 08:53
 Analyst: ALS
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 09/08/20 19:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	270	--	2
Benzidine	ND		ug/kg	1100	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	340	--	2
Hexachlorobenzene	ND		ug/kg	200	--	2
Bis(2-chloroethyl)ether	ND		ug/kg	300	--	2
2-Chloronaphthalene	ND		ug/kg	340	--	2
1,2-Dichlorobenzene	ND		ug/kg	340	--	2
1,3-Dichlorobenzene	ND		ug/kg	340	--	2
1,4-Dichlorobenzene	ND		ug/kg	340	--	2
3,3'-Dichlorobenzidine	ND		ug/kg	340	--	2
2,4-Dinitrotoluene	ND		ug/kg	340	--	2
2,6-Dinitrotoluene	ND		ug/kg	340	--	2
Azobenzene	ND		ug/kg	340	--	2
Fluoranthene	1400		ug/kg	200	--	2
4-Chlorophenyl phenyl ether	ND		ug/kg	340	--	2
4-Bromophenyl phenyl ether	ND		ug/kg	340	--	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	410	--	2
Bis(2-chloroethoxy)methane	ND		ug/kg	370	--	2
Hexachlorobutadiene	ND		ug/kg	340	--	2
Hexachlorocyclopentadiene	ND		ug/kg	970	--	2
Hexachloroethane	ND		ug/kg	270	--	2
Isophorone	ND		ug/kg	300	--	2
Naphthalene	ND		ug/kg	340	--	2
Nitrobenzene	ND		ug/kg	300	--	2
NDPA/DPA	ND		ug/kg	270	--	2
n-Nitrosodi-n-propylamine	ND		ug/kg	340	--	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	340	--	2
Butyl benzyl phthalate	ND		ug/kg	340	--	2

Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-05 D
 Client ID: 1801485-SP03 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:20
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	340	--	2
Di-n-octylphthalate	ND		ug/kg	340	--	2
Diethyl phthalate	ND		ug/kg	340	--	2
Dimethyl phthalate	ND		ug/kg	340	--	2
Benzo(a)anthracene	920		ug/kg	200	--	2
Benzo(a)pyrene	830		ug/kg	270	--	2
Benzo(b)fluoranthene	1100		ug/kg	200	--	2
Benzo(k)fluoranthene	410		ug/kg	200	--	2
Chrysene	810		ug/kg	200	--	2
Acenaphthylene	390		ug/kg	270	--	2
Anthracene	210		ug/kg	200	--	2
Benzo(ghi)perylene	540		ug/kg	270	--	2
Fluorene	ND		ug/kg	340	--	2
Phenanthrene	590		ug/kg	200	--	2
Dibenzo(a,h)anthracene	ND		ug/kg	200	--	2
Indeno(1,2,3-cd)pyrene	560		ug/kg	270	--	2
Pyrene	1400		ug/kg	200	--	2
Biphenyl	ND		ug/kg	770	--	2
Aniline	ND		ug/kg	410	--	2
4-Chloroaniline	ND		ug/kg	340	--	2
1-Methylnaphthalene	ND		ug/kg	340	--	2
2-Nitroaniline	ND		ug/kg	340	--	2
3-Nitroaniline	ND		ug/kg	340	--	2
4-Nitroaniline	ND		ug/kg	340	--	2
Dibenzofuran	ND		ug/kg	340	--	2
2-Methylnaphthalene	ND		ug/kg	410	--	2
n-Nitrosodimethylamine	ND		ug/kg	680	--	2
2,4,6-Trichlorophenol	ND		ug/kg	200	--	2
p-Chloro-m-cresol	ND		ug/kg	340	--	2
2-Chlorophenol	ND		ug/kg	340	--	2
2,4-Dichlorophenol	ND		ug/kg	300	--	2
2,4-Dimethylphenol	ND		ug/kg	340	--	2
2-Nitrophenol	ND		ug/kg	730	--	2
4-Nitrophenol	ND		ug/kg	480	--	2
2,4-Dinitrophenol	ND		ug/kg	1600	--	2
4,6-Dinitro-o-cresol	ND		ug/kg	880	--	2
Pentachlorophenol	ND		ug/kg	270	--	2

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-05 D
 Client ID: 1801485-SP03 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:20
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	340	--	2
2-Methylphenol	ND		ug/kg	340	--	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	490	--	2
2,4,5-Trichlorophenol	ND		ug/kg	340	--	2
Benzoic Acid	ND		ug/kg	1100	--	2
Benzyl Alcohol	ND		ug/kg	340	--	2
Carbazole	ND		ug/kg	340	--	2
Pyridine	ND		ug/kg	370	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	59		18-120

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/09/20 11:06
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 09/08/20 08:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatiles Organics by GC/MS - Westborough Lab for sample(s): 01,03,05 Batch: WG1407295-1					
Acenaphthene	ND		ug/kg	130	--
Benzidine	ND		ug/kg	540	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	99	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	99	--
4-Chlorophenyl phenyl ether	ND		ug/kg	160	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachlorocyclopentadiene	ND		ug/kg	470	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
NDPA/DPA	ND		ug/kg	130	--
n-Nitrosodi-n-propylamine	ND		ug/kg	160	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270D
Analytical Date: 09/09/20 11:06
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 09/08/20 08:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05 Batch: WG1407295-1					
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	99	--
Benzo(a)pyrene	ND		ug/kg	130	--
Benzo(b)fluoranthene	ND		ug/kg	99	--
Benzo(k)fluoranthene	ND		ug/kg	99	--
Chrysene	ND		ug/kg	99	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	99	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	99	--
Dibenzo(a,h)anthracene	ND		ug/kg	99	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	99	--
Biphenyl	ND		ug/kg	370	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
1-Methylnaphthalene	ND		ug/kg	160	--
2-Nitroaniline	ND		ug/kg	160	--
3-Nitroaniline	ND		ug/kg	160	--
4-Nitroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
n-Nitrosodimethylamine	ND		ug/kg	330	--
2,4,6-Trichlorophenol	ND		ug/kg	99	--
p-Chloro-m-cresol	ND		ug/kg	160	--
2-Chlorophenol	ND		ug/kg	160	--

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/09/20 11:06
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 09/08/20 08:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05 Batch: WG1407295-1					
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	790	--
4,6-Dinitro-o-cresol	ND		ug/kg	430	--
Pentachlorophenol	ND		ug/kg	130	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Benzoic Acid	ND		ug/kg	530	--
Benzyl Alcohol	ND		ug/kg	160	--
Carbazole	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	66		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE

Lab Number: L2037130

Project Number: 1801485

Report Date: 09/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1407295-2 WG1407295-3								
Acenaphthene	71		72		31-137	1		50
Benzidine	13		19		10-66	38		50
1,2,4-Trichlorobenzene	74		74		38-107	0		50
Hexachlorobenzene	62		62		40-140	0		50
Bis(2-chloroethyl)ether	78		77		40-140	1		50
2-Chloronaphthalene	78		78		40-140	0		50
1,2-Dichlorobenzene	70		72		40-140	3		50
1,3-Dichlorobenzene	69		71		40-140	3		50
1,4-Dichlorobenzene	68		69		28-104	1		50
3,3'-Dichlorobenzidine	66		67		40-140	2		50
2,4-Dinitrotoluene	83		83		40-132	0		50
2,6-Dinitrotoluene	86		87		40-140	1		50
Azobenzene	79		78		40-140	1		50
Fluoranthene	76		74		40-140	3		50
4-Chlorophenyl phenyl ether	74		73		40-140	1		50
4-Bromophenyl phenyl ether	69		69		40-140	0		50
Bis(2-chloroisopropyl)ether	77		78		40-140	1		50
Bis(2-chloroethoxy)methane	90		89		40-117	1		50
Hexachlorobutadiene	65		64		40-140	2		50
Hexachlorocyclopentadiene	66		64		40-140	3		50
Hexachloroethane	62		63		40-140	2		50
Isophorone	86		86		40-140	0		50
Naphthalene	73		73		40-140	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE

Lab Number: L2037130

Project Number: 1801485

Report Date: 09/09/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1407295-2 WG1407295-3								
Nitrobenzene	90		92		40-140	2		50
NDPA/DPA	77		76		36-157	1		50
n-Nitrosodi-n-propylamine	89		88		32-121	1		50
Bis(2-ethylhexyl)phthalate	89		89		40-140	0		50
Butyl benzyl phthalate	84		84		40-140	0		50
Di-n-butylphthalate	82		82		40-140	0		50
Di-n-octylphthalate	90		90		40-140	0		50
Diethyl phthalate	76		75		40-140	1		50
Dimethyl phthalate	80		80		40-140	0		50
Benzo(a)anthracene	83		84		40-140	1		50
Benzo(a)pyrene	71		72		40-140	1		50
Benzo(b)fluoranthene	81		83		40-140	2		50
Benzo(k)fluoranthene	66		67		40-140	2		50
Chrysene	72		72		40-140	0		50
Acenaphthylene	83		82		40-140	1		50
Anthracene	77		76		40-140	1		50
Benzo(ghi)perylene	76		77		40-140	1		50
Fluorene	73		74		40-140	1		50
Phenanthrene	75		75		40-140	0		50
Dibenzo(a,h)anthracene	80		82		40-140	2		50
Indeno(1,2,3-cd)pyrene	80		81		40-140	1		50
Pyrene	75		74		35-142	1		50
Biphenyl	78		80		37-127	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE

Lab Number: L2037130

Project Number: 1801485

Report Date: 09/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1407295-2 WG1407295-3								
Aniline	72		72		40-140	0		50
4-Chloroaniline	74		76		40-140	3		50
1-Methylnaphthalene	75		75		26-130	0		50
2-Nitroaniline	86		86		47-134	0		50
3-Nitroaniline	72		74		26-129	3		50
4-Nitroaniline	84		83		41-125	1		50
Dibenzofuran	73		74		40-140	1		50
2-Methylnaphthalene	83		85		40-140	2		50
n-Nitrosodimethylamine	72		75		22-100	4		50
2,4,6-Trichlorophenol	90		90		30-130	0		50
p-Chloro-m-cresol	90		93		26-103	3		50
2-Chlorophenol	82		82		25-102	0		50
2,4-Dichlorophenol	90		92		30-130	2		50
2,4-Dimethylphenol	97		97		30-130	0		50
2-Nitrophenol	89		87		30-130	2		50
4-Nitrophenol	91		92		11-114	1		50
2,4-Dinitrophenol	76		73		4-130	4		50
4,6-Dinitro-o-cresol	71		73		10-130	3		50
Pentachlorophenol	67		66		17-109	2		50
Phenol	95	Q	95	Q	26-90	0		50
2-Methylphenol	90		90		30-130.	0		50
3-Methylphenol/4-Methylphenol	93		94		30-130	1		50
2,4,5-Trichlorophenol	81		82		30-130	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE

Project Number: 1801485

Lab Number: L2037130

Report Date: 09/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1407295-2 WG1407295-3								
Benzoic Acid	65		62		10-110	5		50
Benzyl Alcohol	99		101		40-140	2		50
Carbazole	79		78		54-128	1		50
Pyridine	37		39		10-93	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	84		83		25-120
Phenol-d6	90		89		10-120
Nitrobenzene-d5	91		93		23-120
2-Fluorobiphenyl	81		81		30-120
2,4,6-Tribromophenol	65		64		10-136
4-Terphenyl-d14	78		77		18-120

PETROLEUM HYDROCARBONS

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-01
 Client ID: 1801485-SP01 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 14:50
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8015D(M)
 Analytical Date: 09/09/20 03:17
 Analyst: SC
 Percent Solids: 97%

Extraction Method: EPA 3546
 Extraction Date: 09/08/20 20:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Petroleum Hydrocarbon Quantitation - Westborough Lab						
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TPH (C10-C36)	112000		ug/kg	32800	--	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
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o-Terphenyl	76		40-140
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Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-03
 Client ID: 1801485-SP02 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:05
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8015D(M)
 Analytical Date: 09/09/20 03:52
 Analyst: SC
 Percent Solids: 97%

Extraction Method: EPA 3546
 Extraction Date: 09/08/20 20:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH (C10-C36)	90200		ug/kg	32800	--	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
o-Terphenyl			77		40-140	

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-05
 Client ID: 1801485-SP03 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:20
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8015D(M)
 Analytical Date: 09/09/20 04:27
 Analyst: SC
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 09/08/20 20:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH (C10-C36)	91600		ug/kg	32300	--	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
o-Terphenyl			72		40-140	

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 09/09/20 00:28
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 09/08/20 09:05

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01,03,05 Batch: WG1407315-1					
TPH (C10-C36)	ND		ug/kg	31400	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	91		40-140

Lab Control Sample Analysis Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1407315-2								
TPH (C10-C36)	83		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	75				40-140

PCBS

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-01
 Client ID: 1801485-SP01 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 14:50
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/09/20 08:58
 Analyst: CW
 Percent Solids: 97%

Extraction Method: EPA 3546
 Extraction Date: 09/08/20 20:50
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/09/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.2	--	1	A
Aroclor 1221	ND		ug/kg	33.2	--	1	A
Aroclor 1232	ND		ug/kg	33.2	--	1	A
Aroclor 1242	ND		ug/kg	33.2	--	1	A
Aroclor 1248	ND		ug/kg	33.2	--	1	A
Aroclor 1254	ND		ug/kg	33.2	--	1	A
Aroclor 1260	ND		ug/kg	33.2	--	1	A
Aroclor 1262	ND		ug/kg	33.2	--	1	A
Aroclor 1268	ND		ug/kg	33.2	--	1	A
PCBs, Total	ND		ug/kg	33.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	68		30-150	A

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-03
 Client ID: 1801485-SP02 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:05
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/09/20 09:05
 Analyst: CW
 Percent Solids: 97%

Extraction Method: EPA 3546
 Extraction Date: 09/08/20 20:50
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/09/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	32.6	--	1	A
Aroclor 1221	ND		ug/kg	32.6	--	1	A
Aroclor 1232	ND		ug/kg	32.6	--	1	A
Aroclor 1242	ND		ug/kg	32.6	--	1	A
Aroclor 1248	ND		ug/kg	32.6	--	1	A
Aroclor 1254	ND		ug/kg	32.6	--	1	B
Aroclor 1260	ND		ug/kg	32.6	--	1	A
Aroclor 1262	ND		ug/kg	32.6	--	1	A
Aroclor 1268	ND		ug/kg	32.6	--	1	A
PCBs, Total	ND		ug/kg	32.6	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	68		30-150	A

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-05
 Client ID: 1801485-SP03 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:20
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/09/20 09:12
 Analyst: CW
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 09/08/20 20:50
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/09/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.4	--	1	A
Aroclor 1221	ND		ug/kg	33.4	--	1	A
Aroclor 1232	ND		ug/kg	33.4	--	1	A
Aroclor 1242	ND		ug/kg	33.4	--	1	A
Aroclor 1248	ND		ug/kg	33.4	--	1	A
Aroclor 1254	119		ug/kg	33.4	--	1	A
Aroclor 1260	46.8		ug/kg	33.4	--	1	A
Aroclor 1262	ND		ug/kg	33.4	--	1	A
Aroclor 1268	ND		ug/kg	33.4	--	1	A
PCBs, Total	166		ug/kg	33.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	65		30-150	A

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 09/09/20 08:37
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 09/08/20 20:50
Cleanup Method: EPA 3665A
Cleanup Date: 09/09/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03,05 Batch: WG1407590-1						
Aroclor 1016	ND		ug/kg	32.6	--	A
Aroclor 1221	ND		ug/kg	32.6	--	A
Aroclor 1232	ND		ug/kg	32.6	--	A
Aroclor 1242	ND		ug/kg	32.6	--	A
Aroclor 1248	ND		ug/kg	32.6	--	A
Aroclor 1254	ND		ug/kg	32.6	--	A
Aroclor 1260	ND		ug/kg	32.6	--	A
Aroclor 1262	ND		ug/kg	32.6	--	A
Aroclor 1268	ND		ug/kg	32.6	--	A
PCBs, Total	ND		ug/kg	32.6	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	57		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1407590-2 WG1407590-3									
Aroclor 1016	86		94		40-140	9		50	A
Aroclor 1260	79		86		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		75		30-150	B
Decachlorobiphenyl	71		77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150	A
Decachlorobiphenyl	72		77		30-150	A

PESTICIDES

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-01
 Client ID: 1801485-SP01 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 14:50
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/09/20 09:18
 Analyst: SM
 Percent Solids: 97%

Extraction Method: EPA 3546
 Extraction Date: 09/08/20 22:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.58	--	1	A
Lindane	ND		ug/kg	0.660	--	1	A
Alpha-BHC	ND		ug/kg	0.660	--	1	A
Beta-BHC	ND		ug/kg	1.58	--	1	A
Heptachlor	ND		ug/kg	0.792	--	1	A
Aldrin	ND		ug/kg	1.58	--	1	A
Heptachlor epoxide	ND		ug/kg	2.97	--	1	A
Endrin	ND		ug/kg	0.660	--	1	A
Endrin aldehyde	ND		ug/kg	1.98	--	1	A
Endrin ketone	ND		ug/kg	1.58	--	1	A
Dieldrin	ND		ug/kg	0.990	--	1	A
4,4'-DDE	ND		ug/kg	1.58	--	1	A
4,4'-DDD	ND		ug/kg	1.58	--	1	A
4,4'-DDT	9.99		ug/kg	2.97	--	1	A
Endosulfan I	ND		ug/kg	1.58	--	1	A
Endosulfan II	ND		ug/kg	1.58	--	1	A
Endosulfan sulfate	ND		ug/kg	0.660	--	1	A
Methoxychlor	ND		ug/kg	2.97	--	1	A
Toxaphene	ND		ug/kg	29.7	--	1	A
Chlordane	ND		ug/kg	13.2	--	1	A
cis-Chlordane	ND		ug/kg	1.98	--	1	A
trans-Chlordane	ND		ug/kg	1.98	--	1	A

Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-01
 Client ID: 1801485-SP01 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 14:50
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-01
 Client ID: 1801485-SP01 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 14:50
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/09/20 10:58
 Analyst: DGM
 Percent Solids: 97%
 Methylation Date: 09/09/20 06:54

Extraction Method: EPA 8151A
 Extraction Date: 09/08/20 19:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
MCPP	ND		ug/kg	3380	--	1	A
MCPA	ND		ug/kg	3380	--	1	A
Dalapon	ND		ug/kg	33.8	--	1	A
Dicamba	ND		ug/kg	33.8	--	1	A
Dichloroprop	ND		ug/kg	33.8	--	1	A
2,4-D	ND		ug/kg	169	--	1	A
2,4-DB	ND		ug/kg	169	--	1	A
2,4,5-T	ND		ug/kg	169	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	169	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	88		30-150	B

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-03
 Client ID: 1801485-SP02 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:05
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/09/20 09:30
 Analyst: SM
 Percent Solids: 97%

Extraction Method: EPA 3546
 Extraction Date: 09/08/20 22:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	--	1	A
Lindane	ND		ug/kg	0.680	--	1	A
Alpha-BHC	ND		ug/kg	0.680	--	1	A
Beta-BHC	ND		ug/kg	1.63	--	1	A
Heptachlor	ND		ug/kg	0.816	--	1	A
Aldrin	ND		ug/kg	1.63	--	1	A
Heptachlor epoxide	ND		ug/kg	3.06	--	1	A
Endrin	ND		ug/kg	0.680	--	1	A
Endrin aldehyde	ND		ug/kg	2.04	--	1	A
Endrin ketone	ND		ug/kg	1.63	--	1	A
Dieldrin	ND		ug/kg	1.02	--	1	A
4,4'-DDE	ND		ug/kg	1.63	--	1	A
4,4'-DDD	ND		ug/kg	1.63	--	1	A
4,4'-DDT	6.48		ug/kg	3.06	--	1	A
Endosulfan I	ND		ug/kg	1.63	--	1	A
Endosulfan II	ND		ug/kg	1.63	--	1	A
Endosulfan sulfate	ND		ug/kg	0.680	--	1	A
Methoxychlor	ND		ug/kg	3.06	--	1	A
Toxaphene	ND		ug/kg	30.6	--	1	A
Chlordane	ND		ug/kg	13.6	--	1	A
cis-Chlordane	ND		ug/kg	2.04	--	1	A
trans-Chlordane	ND		ug/kg	2.04	--	1	A

Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-03
 Client ID: 1801485-SP02 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:05
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-03
 Client ID: 1801485-SP02 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:05
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/09/20 11:16
 Analyst: DGM
 Percent Solids: 97%
 Methylation Date: 09/09/20 06:54

Extraction Method: EPA 8151A
 Extraction Date: 09/08/20 19:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
MCPP	ND		ug/kg	3410	--	1	A
MCPA	ND		ug/kg	3410	--	1	A
Dalapon	ND		ug/kg	34.1	--	1	A
Dicamba	ND		ug/kg	34.1	--	1	A
Dichloroprop	ND		ug/kg	34.1	--	1	A
2,4-D	ND		ug/kg	170	--	1	A
2,4-DB	ND		ug/kg	170	--	1	A
2,4,5-T	ND		ug/kg	170	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	170	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	68		30-150	B

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-05
 Client ID: 1801485-SP03 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:20
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/09/20 09:41
 Analyst: SM
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 09/08/20 22:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.60	--	1	A
Lindane	ND		ug/kg	0.668	--	1	A
Alpha-BHC	ND		ug/kg	0.668	--	1	A
Beta-BHC	ND		ug/kg	1.60	--	1	A
Heptachlor	ND		ug/kg	0.802	--	1	A
Aldrin	ND		ug/kg	1.60	--	1	A
Heptachlor epoxide	ND		ug/kg	3.01	--	1	A
Endrin	ND		ug/kg	0.668	--	1	A
Endrin aldehyde	ND		ug/kg	2.00	--	1	A
Endrin ketone	ND		ug/kg	1.60	--	1	A
Dieldrin	ND		ug/kg	1.00	--	1	A
4,4'-DDE	ND		ug/kg	1.60	--	1	A
4,4'-DDD	ND		ug/kg	1.60	--	1	A
4,4'-DDT	6.44		ug/kg	3.01	--	1	A
Endosulfan I	ND		ug/kg	1.60	--	1	A
Endosulfan II	ND		ug/kg	1.60	--	1	A
Endosulfan sulfate	ND		ug/kg	0.668	--	1	A
Methoxychlor	ND		ug/kg	3.01	--	1	A
Toxaphene	ND		ug/kg	30.1	--	1	A
Chlordane	ND		ug/kg	13.4	--	1	A
cis-Chlordane	ND		ug/kg	2.00	--	1	A
trans-Chlordane	ND		ug/kg	2.00	--	1	A

Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-05
 Client ID: 1801485-SP03 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:20
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

SAMPLE RESULTS

Lab ID: L2037130-05
 Client ID: 1801485-SP03 (COMP)
 Sample Location: PROVIDENCE, RI

Date Collected: 09/08/20 15:20
 Date Received: 09/08/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 09/09/20 11:34
 Analyst: DGM
 Percent Solids: 98%
 Methylation Date: 09/09/20 06:54

Extraction Method: EPA 8151A
 Extraction Date: 09/08/20 19:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
MCPP	ND		ug/kg	3370	--	1	A
MCPA	ND		ug/kg	3370	--	1	A
Dalapon	ND		ug/kg	33.7	--	1	A
Dicamba	ND		ug/kg	33.7	--	1	A
Dichloroprop	ND		ug/kg	33.7	--	1	A
2,4-D	ND		ug/kg	169	--	1	A
2,4-DB	ND		ug/kg	169	--	1	A
2,4,5-T	ND		ug/kg	169	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	169	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	79		30-150	B

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/09/20 09:10
Analyst: DGM

Extraction Method: EPA 8151A
Extraction Date: 09/08/20 18:23

Methylation Date: 09/09/20 06:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01,03,05 Batch: WG1407580-1						
MCPP	ND		ug/kg	3260	--	A
MCPA	ND		ug/kg	3260	--	A
Dalapon	ND		ug/kg	32.6	--	A
Dicamba	ND		ug/kg	32.6	--	A
Dichloroprop	ND		ug/kg	32.6	--	A
2,4-D	ND		ug/kg	163	--	A
2,4-DB	ND		ug/kg	163	--	A
2,4,5-T	ND		ug/kg	163	--	A
2,4,5-TP (Silvex)	ND		ug/kg	163	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	77		30-150	B

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/09/20 08:45
Analyst: SM

Extraction Method: EPA 3546
Extraction Date: 09/08/20 22:30
Cleanup Method: EPA 3620B
Cleanup Date: 09/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Pesticides by GC - Westborough Lab for sample(s): 01,03,05 Batch: WG1407616-1						
Delta-BHC	ND		ug/kg	1.58	--	A
Lindane	ND		ug/kg	0.657	--	A
Alpha-BHC	ND		ug/kg	0.657	--	A
Beta-BHC	ND		ug/kg	1.58	--	A
Heptachlor	ND		ug/kg	0.788	--	A
Aldrin	ND		ug/kg	1.58	--	A
Heptachlor epoxide	ND		ug/kg	2.96	--	A
Endrin	ND		ug/kg	0.657	--	A
Endrin aldehyde	ND		ug/kg	1.97	--	A
Endrin ketone	ND		ug/kg	1.58	--	A
Dieldrin	ND		ug/kg	0.986	--	A
4,4'-DDE	ND		ug/kg	1.58	--	A
4,4'-DDD	ND		ug/kg	1.58	--	A
4,4'-DDT	ND		ug/kg	2.96	--	A
Endosulfan I	ND		ug/kg	1.58	--	A
Endosulfan II	ND		ug/kg	1.58	--	A
Endosulfan sulfate	ND		ug/kg	0.657	--	A
Methoxychlor	ND		ug/kg	2.96	--	A
Toxaphene	ND		ug/kg	29.6	--	A
Chlordane	ND		ug/kg	13.1	--	A
cis-Chlordane	ND		ug/kg	1.97	--	A
trans-Chlordane	ND		ug/kg	1.97	--	A

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8081B
 Analytical Date: 09/09/20 08:45
 Analyst: SM

Extraction Method: EPA 3546
 Extraction Date: 09/08/20 22:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/09/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Pesticides by GC - Westborough Lab for sample(s): 01,03,05 Batch: WG1407616-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE

Project Number: 1801485

Lab Number: L2037130

Report Date: 09/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1407580-2 WG1407580-3									
MCPP	96		95		30-150	1		30	A
MCPA	83		84		30-150	1		30	A
Dalapon	83		91		30-150	9		30	A
Dicamba	88		78		30-150	12		30	A
Dichloroprop	114		105		30-150	8		30	A
2,4-D	94		81		30-150	15		30	A
2,4-DB	79		69		30-150	14		30	A
2,4,5-T	98		86		30-150	13		30	A
2,4,5-TP (Silvex)	90		80		30-150	12		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	89		78		30-150	A
DCAA	82		72		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE

Project Number: 1801485

Lab Number: L2037130

Report Date: 09/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1407616-2 WG1407616-3									
Delta-BHC	61		60		30-150	2		30	A
Lindane	60		58		30-150	3		30	A
Alpha-BHC	70		70		30-150	0		30	A
Beta-BHC	80		72		30-150	11		30	A
Heptachlor	68		69		30-150	1		30	A
Aldrin	57		58		30-150	2		30	A
Heptachlor epoxide	63		61		30-150	3		30	A
Endrin	64		63		30-150	2		30	A
Endrin aldehyde	39		34		30-150	14		30	A
Endrin ketone	48		43		30-150	11		30	A
Dieldrin	63		62		30-150	2		30	A
4,4'-DDE	56		56		30-150	0		30	A
4,4'-DDD	63		61		30-150	3		30	A
4,4'-DDT	66		64		30-150	3		30	A
Endosulfan I	66		66		30-150	0		30	A
Endosulfan II	56		54		30-150	4		30	A
Endosulfan sulfate	41		35		30-150	16		30	A
Methoxychlor	70		67		30-150	4		30	A
cis-Chlordane	56		56		30-150	0		30	A
trans-Chlordane	63		62		30-150	2		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

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
Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1407616-2 WG1407616-3								

<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	75		76		30-150	A
Decachlorobiphenyl	55		51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		65		30-150	B
Decachlorobiphenyl	69		72		30-150	B

METALS

Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-01

Date Collected: 09/08/20 14:50

Client ID: 1801485-SP01 (COMP)

Date Received: 09/08/20

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.94		mg/kg	0.404	--	1	09/09/20 07:40	09/09/20 12:41	EPA 3050B	1,6010D	LC
Barium, Total	34.4		mg/kg	0.404	--	1	09/09/20 07:40	09/09/20 12:41	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.404	--	1	09/09/20 07:40	09/09/20 12:41	EPA 3050B	1,6010D	LC
Chromium, Total	6.19		mg/kg	0.404	--	1	09/09/20 07:40	09/09/20 12:41	EPA 3050B	1,6010D	LC
Copper, Total	35.4		mg/kg	0.404	--	1	09/09/20 07:40	09/09/20 12:41	EPA 3050B	1,6010D	LC
Lead, Total	55.1		mg/kg	2.02	--	1	09/09/20 07:40	09/09/20 12:41	EPA 3050B	1,6010D	LC
Mercury, Total	0.117		mg/kg	0.065	--	1	09/09/20 09:20	09/09/20 10:55	EPA 7471B	1,7471B	EW
Nickel, Total	5.83		mg/kg	1.01	--	1	09/09/20 07:40	09/09/20 12:41	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	0.807	--	1	09/09/20 07:40	09/09/20 12:41	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.404	--	1	09/09/20 07:40	09/09/20 12:41	EPA 3050B	1,6010D	LC
Zinc, Total	47.2		mg/kg	2.02	--	1	09/09/20 07:40	09/09/20 12:41	EPA 3050B	1,6010D	LC



Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-03

Date Collected: 09/08/20 15:05

Client ID: 1801485-SP02 (COMP)

Date Received: 09/08/20

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.50		mg/kg	0.404	--	1	09/09/20 07:40	09/09/20 12:58	EPA 3050B	1,6010D	LC
Barium, Total	22.1		mg/kg	0.404	--	1	09/09/20 07:40	09/09/20 12:58	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.404	--	1	09/09/20 07:40	09/09/20 12:58	EPA 3050B	1,6010D	LC
Chromium, Total	5.76		mg/kg	0.404	--	1	09/09/20 07:40	09/09/20 12:58	EPA 3050B	1,6010D	LC
Copper, Total	17.6		mg/kg	0.404	--	1	09/09/20 07:40	09/09/20 12:58	EPA 3050B	1,6010D	LC
Lead, Total	49.8		mg/kg	2.02	--	1	09/09/20 07:40	09/09/20 12:58	EPA 3050B	1,6010D	LC
Mercury, Total	0.104		mg/kg	0.065	--	1	09/09/20 09:20	09/09/20 11:11	EPA 7471B	1,7471B	EW
Nickel, Total	5.07		mg/kg	1.01	--	1	09/09/20 07:40	09/09/20 12:58	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	0.808	--	1	09/09/20 07:40	09/09/20 12:58	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.404	--	1	09/09/20 07:40	09/09/20 12:58	EPA 3050B	1,6010D	LC
Zinc, Total	38.0		mg/kg	2.02	--	1	09/09/20 07:40	09/09/20 12:58	EPA 3050B	1,6010D	LC



Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-05

Date Collected: 09/08/20 15:20

Client ID: 1801485-SP03 (COMP)

Date Received: 09/08/20

Sample Location: PROVIDENCE, RI

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	3.76		mg/kg	0.402	--	1	09/09/20 07:40	09/09/20 13:03	EPA 3050B	1,6010D	LC
Barium, Total	25.0		mg/kg	0.402	--	1	09/09/20 07:40	09/09/20 13:03	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.402	--	1	09/09/20 07:40	09/09/20 13:03	EPA 3050B	1,6010D	LC
Chromium, Total	6.96		mg/kg	0.402	--	1	09/09/20 07:40	09/09/20 13:03	EPA 3050B	1,6010D	LC
Copper, Total	30.2		mg/kg	0.402	--	1	09/09/20 07:40	09/09/20 13:03	EPA 3050B	1,6010D	LC
Lead, Total	41.4		mg/kg	2.01	--	1	09/09/20 07:40	09/09/20 13:03	EPA 3050B	1,6010D	LC
Mercury, Total	0.102		mg/kg	0.064	--	1	09/09/20 09:20	09/09/20 11:14	EPA 7471B	1,7471B	EW
Nickel, Total	6.23		mg/kg	1.00	--	1	09/09/20 07:40	09/09/20 13:03	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	0.804	--	1	09/09/20 07:40	09/09/20 13:03	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.402	--	1	09/09/20 07:40	09/09/20 13:03	EPA 3050B	1,6010D	LC
Zinc, Total	39.9		mg/kg	2.01	--	1	09/09/20 07:40	09/09/20 13:03	EPA 3050B	1,6010D	LC



Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

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): 01,03,05 Batch: WG1406821-1									
Arsenic, Total	ND	mg/kg	0.400	--	1	09/09/20 07:40	09/09/20 12:32	1,6010D	LC
Barium, Total	ND	mg/kg	0.400	--	1	09/09/20 07:40	09/09/20 12:32	1,6010D	LC
Cadmium, Total	ND	mg/kg	0.400	--	1	09/09/20 07:40	09/09/20 12:32	1,6010D	LC
Chromium, Total	ND	mg/kg	0.400	--	1	09/09/20 07:40	09/09/20 12:32	1,6010D	LC
Copper, Total	ND	mg/kg	0.400	--	1	09/09/20 07:40	09/09/20 12:32	1,6010D	LC
Lead, Total	ND	mg/kg	2.00	--	1	09/09/20 07:40	09/09/20 12:32	1,6010D	LC
Nickel, Total	ND	mg/kg	1.00	--	1	09/09/20 07:40	09/09/20 12:32	1,6010D	LC
Selenium, Total	ND	mg/kg	0.800	--	1	09/09/20 07:40	09/09/20 12:32	1,6010D	LC
Silver, Total	ND	mg/kg	0.400	--	1	09/09/20 07:40	09/09/20 12:32	1,6010D	LC
Zinc, Total	ND	mg/kg	2.00	--	1	09/09/20 07:40	09/09/20 12:32	1,6010D	LC

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): 01,03,05 Batch: WG1406822-1									
Mercury, Total	ND	mg/kg	0.083	--	1	09/09/20 09:20	09/09/20 10:48	1,7471B	EW

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE

Project Number: 1801485

Lab Number: L2037130

Report Date: 09/09/20

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG1406821-2 SRM Lot Number: D109-540								
Arsenic, Total	90		-		70-130	-		
Barium, Total	84		-		75-125	-		
Cadmium, Total	86		-		75-125	-		
Chromium, Total	86		-		70-130	-		
Copper, Total	88		-		75-125	-		
Lead, Total	86		-		72-128	-		
Nickel, Total	87		-		70-130	-		
Selenium, Total	91		-		68-132	-		
Silver, Total	88		-		68-131	-		
Zinc, Total	87		-		70-130	-		
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG1406822-2 SRM Lot Number: D109-540								
Mercury, Total	95		-		60-140	-		

Matrix Spike Analysis Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

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): 01,03,05 QC Batch ID: WG1406821-3 QC Sample: L2037130-01 Client ID: 1801485-SP01 (COMP)												
Arsenic, Total	2.94	9.45	9.80	73	Q	-	-		75-125	-		20
Barium, Total	34.4	157	140	67	Q	-	-		75-125	-		20
Cadmium, Total	ND	4.02	2.94	73	Q	-	-		75-125	-		20
Chromium, Total	6.19	15.7	18.7	79		-	-		75-125	-		20
Copper, Total	35.4	19.7	36.0	3	Q	-	-		75-125	-		20
Lead, Total	55.1	40.2	76.5	53	Q	-	-		75-125	-		20
Nickel, Total	5.83	39.4	32.9	69	Q	-	-		75-125	-		20
Selenium, Total	ND	9.45	6.43	68	Q	-	-		75-125	-		20
Silver, Total	ND	23.6	18.1	77		-	-		75-125	-		20
Zinc, Total	47.2	39.4	68.1	53	Q	-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1406822-3 QC Sample: L2037130-01 Client ID: 1801485-SP01 (COMP)												
Mercury, Total	0.117	0.13	0.246	99		-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE

Project Number: 1801485

Lab Number: L2037130

Report Date: 09/09/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1406821-4 QC Sample: L2037130-01 Client ID: 1801485-SP01 (COMP)						
Arsenic, Total	2.94	2.36	mg/kg	22	Q	20
Barium, Total	34.4	21.8	mg/kg	45	Q	20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	6.19	6.13	mg/kg	1		20
Copper, Total	35.4	18.2	mg/kg	64	Q	20
Lead, Total	55.1	44.5	mg/kg	21	Q	20
Nickel, Total	5.83	5.46	mg/kg	7		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Zinc, Total	47.2	38.1	mg/kg	21	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1406822-4 QC Sample: L2037130-01 Client ID: 1801485-SP01 (COMP)						
Mercury, Total	0.117	0.106	mg/kg	10		20

INORGANICS & MISCELLANEOUS

Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-01

Date Collected: 09/08/20 14:50

Client ID: 1801485-SP01 (COMP)

Date Received: 09/08/20

Sample Location: PROVIDENCE, RI

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	96.8		%	0.100	NA	1	-	09/08/20 18:59	121,2540G	TR



Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-02

Date Collected: 09/08/20 14:55

Client ID: 1801485-SP01 (GRAB)

Date Received: 09/08/20

Sample Location: PROVIDENCE, RI

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	96.8		%	0.100	NA	1	-	09/08/20 18:59	121,2540G	TR



Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-03

Date Collected: 09/08/20 15:05

Client ID: 1801485-SP02 (COMP)

Date Received: 09/08/20

Sample Location: PROVIDENCE, RI

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	96.6		%	0.100	NA	1	-	09/08/20 18:59	121,2540G	TR



Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-04

Date Collected: 09/08/20 15:10

Client ID: 1801485-SP02 (GRAB)

Date Received: 09/08/20

Sample Location: PROVIDENCE, RI

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	96.6		%	0.100	NA	1	-	09/08/20 18:59	121,2540G	TR



Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-05

Date Collected: 09/08/20 15:20

Client ID: 1801485-SP03 (COMP)

Date Received: 09/08/20

Sample Location: PROVIDENCE, RI

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	97.8		%	0.100	NA	1	-	09/08/20 18:59	121,2540G	TR



Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2037130-06

Date Collected: 09/08/20 15:25

Client ID: 1801485-SP03 (GRAB)

Date Received: 09/08/20

Sample Location: PROVIDENCE, RI

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	97.8		%	0.100	NA	1	-	09/08/20 18:59	121,2540G	TR



Lab Duplicate Analysis

Batch Quality Control

Project Name: CME-RIDOT 6/10 DESIGN PHASE

Project Number: 1801485

Lab Number: L2037130

Report Date: 09/09/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1407573-2 QC Sample: L2036878-11 Client ID: DUP Sample						
Solids, Total	88.5	89.0	%	1		20

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Serial_No:09092015:15
Lab Number: L2037130
Report Date: 09/09/20

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(*)
L2037130-01A	Glass 250ml/8oz unpreserved	A	NA		27.3	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),HG-T(28),CD-TI(180)
L2037130-01B	Glass 250ml/8oz unpreserved	A	NA		27.3	Y	Absent		8270TCL(14),PCB-8082(14),TS(7),PEST-8081(14),HERB-8151(14),TPH-DRO-D(14)
L2037130-02A	Vial MeOH preserved	A	NA		27.3	Y	Absent		8260HLW(14)
L2037130-02B	Vial water preserved	A	NA		27.3	Y	Absent	08-SEP-20 19:42	8260HLW(14)
L2037130-02C	Vial water preserved	A	NA		27.3	Y	Absent	08-SEP-20 19:42	8260HLW(14)
L2037130-03A	Glass 250ml/8oz unpreserved	A	NA		27.3	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2037130-03B	Glass 250ml/8oz unpreserved	A	NA		27.3	Y	Absent		8270TCL(14),PCB-8082(14),TS(7),PEST-8081(14),HERB-8151(14),TPH-DRO-D(14)
L2037130-04A	Vial MeOH preserved	A	NA		27.3	Y	Absent		8260HLW(14)
L2037130-04B	Vial water preserved	A	NA		27.3	Y	Absent	08-SEP-20 19:42	8260HLW(14)
L2037130-04C	Vial water preserved	A	NA		27.3	Y	Absent	08-SEP-20 19:42	8260HLW(14)
L2037130-05A	Glass 250ml/8oz unpreserved	A	NA		27.3	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L2037130-05B	Glass 250ml/8oz unpreserved	A	NA		27.3	Y	Absent		8270TCL(14),TS(7),PCB-8082(14),PEST-8081(14),HERB-8151(14),TPH-DRO-D(14)
L2037130-06A	Vial MeOH preserved	A	NA		27.3	Y	Absent		8260HLW(14)
L2037130-06B	Vial water preserved	A	NA		27.3	Y	Absent	08-SEP-20 19:42	8260HLW(14)
L2037130-06C	Vial water preserved	A	NA		27.3	Y	Absent	08-SEP-20 19:42	8260HLW(14)

*Values in parentheses indicate holding time in days



Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

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: Data Usability Report



Project Name: CME-RIDOT 6/10 DESIGN PHASE**Lab Number:** L2037130**Project Number:** 1801485**Report Date:** 09/09/20

- 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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: Data Usability Report



Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: CME-RIDOT 6/10 DESIGN PHASE
Project Number: 1801485

Lab Number: L2037130
Report Date: 09/09/20

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, NO₂, NO₃.

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.

L2037130

Chain-of-Custody Record				Laboratory: Alpha 9/8/20				Laboratory Job # L2037119 <small>(Lab use only)</small>																																																																																																																												
Project Information												Page 1 of 1																																																																																																																								
Project Name: CME-RIDOT RTE 6/10 DESIGN PHASE SUPPORT						Project Location: Providence RI																																																																																																																														
Project Number: 1801485						Project Manager: Matthew Glunt 803-760-4538																																																																																																																														
Preservative																																																																																																																																				
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